

# Resolution 19-283 Additional Testimony

**MISC. COM. 748**

EMLA

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**From:** CLK Council Info  
**Sent:** Friday, November 08, 2019 4:14 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191108161343\_FossilFuelSuitTestimony\_PAF.docx

## Speaker Registration/Testimony

Name	Puanani Anderson-Fung
Phone	808-595-3753
Email	nanifung@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Reso 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	20191108161343_FossilFuelSuitTestimony_PAF.docx
Accept Terms and Agreement	1

IP: 192.168.200.67

Meeting date: November 12, 2019, 1pm  
Council/PH Committee: Executive Matters and Legal Affairs  
Agenda item: Reso 19-283  
My position on the matter: Support  
Representing: Self  
Testimony:

Aloha e Chairman Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today to register my strong support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis we are currently experiencing, and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Like the tobacco industry, the fossil fuel industry deliberately deceived the public, and we must all now suffer the consequences. O'ahu will have to pay billions of dollars in order to adapt to what will be the loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

I support the City hiring expert attorneys intimate with the details of this area of law and think they should only be paid if they win the lawsuit on behalf of our state and its people.

Filing this lawsuit is the next reasonable step to take. Like the tobacco industry, the fossil fuel industry has very deep pockets and can well afford to pay out funds to offset the costs of the damage climate change will do to O'ahu's people.

Mahalo for taking the time to consider these thoughts.

Sincerely, and with aloha,  
Puanani Anderson-Fung

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**From:** CLK Council Info  
**Sent:** Friday, November 08, 2019 4:16 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Jenny Webster  
Phone 8083816676  
Email jennyrw@hawaii.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written  
Testimony

Honolulu should absolutely sue the fossil fuel industry. Not only has that industry known the damage that burning fossil fuels would do to the planet, they have actively created and perpetuated a misinformation campaign that will cost the youngest generation their constitutional rights to life, liberty, and property. We must end the subsidies to the fossil fuel industry immediately.

We should also move forward on a revenue neutral carbon tax that pays dividends to the residents of Hawaii in an effort to force the hand of the fossil fuel companies to begin investing in and developing renewable energy sources.

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Friday, November 08, 2019 7:51 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Kawika Ke Koa Pegram  
Phone 8083677655  
Email kkdpegam@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 1920-23  
Your position on the matter Support  
Representing Organization  
Organization Hawaii Youth Climate Strike  
Do you wish to speak at the hearing? Yes

Written Testimony We're at a point in our history where we have no choice but to take immediate action on climate change. Part of this action is holding fossil fuel companies accountable.

They caused it. They knew. Now it's our turn to tack action.

Testimony Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67

19 NOV 12 PM 7:41 CITY CLERK

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**From:** CLK Council Info  
**Sent:** Friday, November 08, 2019 8:03 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Lucas Costner  
Phone 8084218472  
Email costnerluc@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,  
Lucas Costner

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 6:44 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Carrie Mukaida  
Phone 8085243089  
Email waikahalulu@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

Written Testimony Climate change is a rapidly progressing, metastatic environmental cancer that is damaging our fragile island home and ecosystem.  
The fossil fuel industry, as big business often does, has obfuscated and suppressed the science that links its waste and by-products as a major contributor to climate change. Filing and winning this suit will be a major step in procuring funds to slow, reverse and ameliorate the damage that has already occurred in our fragile ecosystem and home. Mahalo nui for your consideration and approval of this important action!  
Yours truly,  
Carrie Mukaida

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 7:29 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Jim Nicolow  
Phone 4042268435  
Email jnicolow@sbcglobal.net  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

As an architect and sustainability expert, I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,  
Jim Nicolow, FAIA, LEED Fellow



522 Palawiki St.  
Kailua, HI 96734

Testimony  
Attachment

Accept Terms and  
Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 8:53 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Karen Thatcher  
Phone 808-926-1491  
Email karenjt@hawaii.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

“Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O‘ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O‘ahu’s government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O‘ahu’s people.

Thank for the opportunity to testify on this important matter.

Sincerely.

Testimony  
Attachment

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 10:55 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Pamela Scott  
Phone 8087414493  
Email phails808@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written  
Testimony

President James Carter started initiatives that would have reduced the country's dependence on fossil fuels decades ago. Since then the oil lobbyists have moved to reverse any progress that was made back then. The world is verging on catastrophe from the damages of burning fossil fuels while the oil industry continues to profit from it. The oil industry has misled the public for decades and they should pay for the damages. I support Hawaii's participation in this lawsuit.

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 11:42 AM  
**Subject:** Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

## Speaker Registration/Testimony

Name Roxanne Rivero  
Phone 808-753-6569  
Email surfergirl808@msn.com  
Meeting Date 11-12-2019  
Council/PH Committee ~~PITS~~ EMILA  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely, ROXANNE RIVERO

Testimony  
Attachment

**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 3:12 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191109151135\_Antolini\_Fletcher\_Johl\_-\_Op-Ed\_Column\_Climate-change\_litigation\_for\_Hawaii\_May\_5\_2019.pdf

## Speaker Registration/Testimony

Name Denise Antolini  
Phone 8085547215  
Email antolinid@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item CR-329 Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

Written  
Testimony

Testimony  
Attachment

Dear Honorable Members of the City Council,

I write in my personal capacity as a resident of the North Shore of O'ahu, and as a public interest environmental attorney and teacher with over 30 years of experience in the field, in strong SUPPORT of Reso 19-283 to authorize the City's lawsuit against the fossil fuel companies to recover climate-related costs.

I am attaching an editorial I co-wrote that was published in the Star-Advertiser that explains the justification for these kinds of lawsuits. There is a longstanding solid foundation of state law that backs up this kind of litigation. Even though the case may take years to resolve given the enormous resources and attacks that the defendant fossil fuel companies will throw at the case, the City, and the courts, in my personal view, by passing Reso 19-283, Honolulu is taking a bold and important leadership role that is urgently needed to protect O'ahu and its residents and visitors from the ravages of the climate crisis already causing grave damage to the islands. Those costs will mount and threaten our State and County's economic stability, as well our ability to adapt to natural disasters, rising seas, and other severe impacts. The deception campaign run by the prospective defendants was intentional and hurtful - they invested resources in misleading the public when those companies should have been choosing a safe energy future for our country. Bringing this case will lead to a just result for our island communities. Imua! Mahalo, Denise Antolini, Resident of Pūpūkea, O'ahu

20191109151135\_Antolini\_Fletcher\_Johl\_-\_Op-Ed\_Column\_Climate-change\_litigation\_for\_Hawaii\_May\_5\_2019.pdf

19NOV12 AM 7:34 CITY CLERK

## EDITORIAL | ISLAND VOICES

**Column: Climate-change litigation for Hawaii?**

By Denise Antolini, Charles Chip Fletcher and Alyssa Johl Today

It's no secret that climate change is already impacting Hawaii. The years 2015 and 2016 were the hottest on record. Rising sea levels erode precious beaches. Floods and drought are more common. Rainfall has declined over the past century. Tropical cyclones increasingly shift into local waters. There are lurking threats to drinking water, vital ecosystems, buried infrastructure, and urban livability.

Climate change disproportionately impacts indigenous communities with biocultural ties to place. Climate change and the accompanying costs amplify economic disparities, adding to homelessness, under-served neighborhoods, and the inability to afford a home. The Islands' indigenous foundation provides resilience and wisdom as we address these challenges, but action is needed to support that foundation.

Hawaii's governor, state Legislature and counties are showing strong leadership in the face of climate change threats — and must continue to do so. Hawaii has ambitious goals for decarbonizing and becoming energy independent.

But even if we save taxpayer money by stopping our addiction to fossil fuel imports, that won't pay the bill for damages happening now and in decades to come. Some of these costs are, at this point, inevitable: for instance, a minimum \$19 billion in developed assets are expected to be compromised by sea level rise flooding by the end of the century.

Hawaii taxpayers and communities should not foot the bill for the climate-induced damages to our islands. On the mainland, 15 local and state governments are using a powerful legal tool to recover these costs. This tried-and-true tort law approach to polluter accountability, called "polluter pays," builds on more than a century of legal precedent. The lawsuits allege that climate polluters like the oil and gas industry knowingly made climate change worse and must pay their fair share for the damages.

Lawsuits alone will not solve climate change but we must use every tool possible to protect our ecological health and regain past community resiliency. Communities that have filed lawsuits against Big Oil are seeking their day in court and asking that oil companies bear the massive costs of climate change to our daily lives.

Remember the tobacco lawsuits? At first, no one believed that tobacco was harmful or addictive. Now we know the truth. A similar story is unfolding about fossil fuels. According to internal company documents presented in these lawsuits, the oil and gas companies knew full well that the window to act on climate change was rapidly closing as early as the 1980s. Their own scientists warned that a failure to act could lead to consequences that would likely be "irreversible" and "catastrophic."

Instead of acting to avoid this catastrophe, the fossil fuel industry spent hundreds of millions creating front groups and paying scientists for hire to promote climate denial.

A recent poll by the Center for Climate Integrity showed strong support among Hawaii voters for holding climate polluters responsible for these impacts. Seventy-five percent of those polled agreed that the oil and gas industry should be responsible for some portion of costs to protect communities from climate change. A similar percentage supported litigation against climate polluters.

The high costs of climate change could have been avoided. But given the reality we are facing, it is time that the state and counties seriously examine new approaches.

In our view, legal action may be necessary to compensate for damages to the islands. Hawaii needs to continue to show strong leadership and explore new avenues to address the costs of our climate crisis before irreparable damage is done to the islands.

**Denise Antolini is associate dean of the William S. Richardson School of Law, University of Hawaii-Manoa; Charles "Chip" Fletcher is associate dean for academic affairs, Department of Earth Sciences, UH-Manoa; Alyssa Johl is legal director at the Center for Climate Integrity, Washington, D.C.**



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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 5:53 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Amy Perruso  
Phone 8083510980  
Email amyperruso@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

### Written Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,

Amy Perruso



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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 7:20 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Aline Tran  
Phone 2028386266  
Email colorless.kaleidescope@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,

Aline Tran  
Makiki, Honolulu, HI

Testimony  
Attachment

Accept Terms  
and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 7:46 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Jonathan Rosen  
Phone 808-388-6183  
Email Jonrosen326@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

“Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O‘ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O‘ahu’s government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O‘ahu’s people.

Thank for the opportunity to testify on this important matter.

Sincerely,  
Jonathan Rosen

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**From:** CLK Council Info  
**Sent:** Saturday, November 09, 2019 9:32 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Alexandra Kahn  
Phone 4102075560  
Email vitalincmedia@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Organization  
Organization Vital Inc Media  
Do you wish to speak at the hearing? No

### Written Testimony

The fossil fuel industry is one of the greatest threats to the future of our planet and responsible for more damage than most people can comprehend. From controlling the auto industry and killing electric cars over a decade ago when they first surfaced, to oil rig spills, to pipe lines and drilling in native lands that should be protected, to the production of Styrofoam and plastic, to the pay offs to politicians to sway their votes. Not only are they responsible and failed to address the harm they knew they were inflicting, but they don't even care. Their concern is and has always been money, and getting that money fast and easy- regardless of the damage. Oil has created both allies and enemies but its time they took responsibility for the damage they have and continue to cause. I support this lawsuit and anything else we can do to take down the corruption and control of this industry because they are WAY too powerful.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 12:06 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191110000538\_YPDA\_Resolution\_19-283\_Testimony.docx

## Speaker Registration/Testimony

Name Jun Shin  
Phone 8082556663  
Email junshinbusiness729@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Organization  
Organization Young Progressives Demanding Action (YPDA)  
Do you wish to speak at the hearing? Yes  
Written Testimony  
Testimony Attachment 20191110000538\_YPDA\_Resolution\_19-283\_Testimony.docx  
Accept Terms and Agreement 1

IP: 192.168.200.67

11/10/2019 12:06 PM 7:48 CITY CLERK



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**COMMITTEE ON EXECUTIVE MATTERS & LEGAL AFFAIRS**

**Honolulu City Council**

November 12, 2019, 1:00 PM

**TESTIMONY IN SUPPORT OF RESOLUTION 19-283**

**Relating to Climate Crises-Related Costs**

Aloha Chair Menor, Vice Chair Fukunaga, Members of the Honolulu City Council Committee on Executive Matters & Legal Affairs,

My name is Jun Shin. I am the Environmental Justice Action Committee Chair for the Young Progressives Demanding Action (YPDA), an organization whose members work toward building a Hawai'i that is just, equitable, and sustainable through community organizing and issue advocacy. YPDA is in support of **Resolution 19-283, Relating to Climate Crises-Related Costs**, which would file proactive litigation against the fossil fuel industry to recover climate crises-related costs.

It needs to be emphasized that while the fossil fuel industry knew that their products would lead to a crisis, they took the path of deceiving the general public. The Union of Concerned Scientists collected 85 internal memos, 7 dossiers which, "reveal a range of deceptive tactics deployed by the fossil fuel industry. These include forged letters to Congress, secret funding of a supposedly independent scientist, the creation of fake grassroots organizations, multiple efforts to deliberately manufacture uncertainty about climate science"<sup>1</sup>. Money, people, time, energy, etc were used to create misinformation and doubt in politics and society, instead of the companies using the massive resources at their disposal to actually help solve the existential threat of climate change.

One real shocking example of this astroturfing that can be seen in the 7 dossiers is from 2009. Then Congressman Henry Waxman and Congressman Edward Markey's American Clean Energy and Security Act (H.R. 2454) was moving through Congress, which would have created an emissions trading plan. The coal industry appealed to Congress to oppose this measure, not by being upfront in their lobbying, but by sending letters pretending to be community grounded nonprofit organizations such as the NAACP in order to make our lawmakers think that the constituencies of these groups including low-income groups or people of color would be hurt by the legislation, while promoting a pro-coal agenda<sup>2</sup>. As a result of this constant obstruction, manufactured to be an organic

“movement”, communities such as O‘ahu now face having to pick up the pieces from the loss of land, homes, schools, businesses, and our natural resources. Enough is enough, some much needed accountability is in order.

Joining other states, municipalities, cities in taking the necessary steps to litigation is the reasonable next step to demand proper accountability. We support the hiring of outside counsel with the necessary expertise to handle this case. We appreciate the commitment of the lawyers who are ready to work on our behalf and get paid only if they win the lawsuit, essentially willing to work pro bono. Consumers such as the working families of O‘ahu should not be the ones who are left with the bill, not when so many are living barely paycheck to paycheck. This litigation will help offset the costs. On the note of economic justice, YPDA is not attacking the workers of these industries. We understand that they are doing their best to provide for their families. If Hawai‘i is going to have a sustainable future, we are going to have to provide a just transition for workers in the fossil fuel industry to a green economy. That is going to involve education, job training, unions, good healthcare, livable wages, etc so that these workers can provide for their families while being able to enjoy a clean and healthy environment.

YPDA hopes that the City Council looks to this litigation as a reminder of why climate mitigation needs to be at the forefront of policy making. That means a plastic free O‘ahu in the form of Bill 40, continuing to hold the U.S. Navy accountable for the ancient fuel tanks above our aquifer, and expanding our ideas of what can be possible in this fight for a better planet by either implementing an equitable carbon pricing mechanism on the city and county level to reduce global warming, or supporting efforts on the state level. It’s a time for action. We must protect what we love. Not only for us, but for future generations to come. Young Progressives Demanding Action respectfully asks for the committee to **support Resolution 19-283**.

Thank you for the opportunity to testify,

Jun Shin,  
Environmental Justice Action Committee Chair  
Young Progressives Demanding Action (YPDA)  
1561 Kanunu St.  
Cell: 808-255-6663  
Email: junshinbusiness729@gmail.com  
CC: action@ypdahawaii.org

Sources:

1

<https://www.ucsusa.org/resources/climate-deception-dossiers>

2

<http://www.climatefiles.com/trade-group/2009-forged-letters-coal-industry-congress/>



---

**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 10:09 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Pauline Chinn  
Phone 8083919931  
Email Pchinn05@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization University of Hawai'i  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,  
Pauline Chinn



---

**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 10:36 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Taurie Kinoshita  
Phone 8087793456  
Email taurie@hawaii.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

Aloha Chair and members of the Executive Matters and Legal Affairs Committee, I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs. The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone. I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf. Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people. Thank you for your consideration. Sincerely, Taurie Kinoshita

Testimony Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 4:05 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191110160436\_Testimony\_in\_SupportReso\_19-283.pdf

## Speaker Registration/Testimony

Name	Beth Anderson
Phone	808 2246081
Email	bethkailua@gmail.com
Meeting Date	10-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Resolution 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	20191110160436_Testimony_in_SupportReso_19-283.pdf
Accept Terms and Agreement	1

IP: 192.168.200.67

To: Council/PH Committee: Executive Matters and Legal Affairs

Regarding: Agenda item: Resolution 19-283

**Testimony in Support of Resolution 19-283**

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

It is very clear that fossil fuel corporations have spent millions of dollars to mislead the public about the relationship between the burning of fossil fuels and climate change. This has been going on for decades. Scientists warned us about climate change due to elevated carbon dioxide levels in the atmosphere decades ago and the reasons we should take steps to stop climate crisis. The scientists have essentially been ignored or denounced by politicians, especially our current President, and now we are quickly approaching climate crisis. We, as citizens and elected government leaders representing the people, have to take action and hold the fossil fuel industry accountable.

The fossil fuel industry knows their products are leading to climate crisis, but they choose to continue to lie to shareholders, lawmakers, and the people about the dangers their products cause. Unless we hold them accountable, they will continue to lie and pollute and threaten our very existence. Species are dying, coral reefs are dying, sea levels are rising, hurricanes have reached insane intensity levels in recent years and still the fossil fuel industry continues to overheat our planet. Because of their deception and inaction, O'ahu now faces paying billions of dollars for adaptation measures, as well as billions in loss of city tax revenue due to critical land, infrastructure and environmental damage. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. It is correct and appropriate that our elected officials take legal action against fossil fuel companies. I am proud the City and County of Honolulu is advocating to take this necessary action, stand up to the fossil fuel industry, and hold them accountable. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people from climate change effects.

Thank for the opportunity to testify on this important matter.

Sincerely,

Beth Anderson

Kailua, O'ahu, Hawaii

**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 4:07 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Dyson  
Phone 8084627570  
Email cheedyson@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

Written  
Testimony

My name is Dyson Chee and I am a high schooler living on O'ahu. The taxpayers of O'ahu should not bear the burden of the impacts climate change will have on our island. It is critical that the Big Oil companies that knowingly supported misinformation and lies so that they could continue profiting without changing are held accountable. The longer we delay in suing fossil fuel industries, the more the people of Hawai'i will have to pay. Exxon Mobile alone is worth \$425 billion dollars. They profited off of our future; money is the least they can repay for what they stole from my generation.

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

11/10/2019 7:48 CITY CLERK

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**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 4:29 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Mio Chee  
Phone 8082222940  
Email mioono@hotmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written Testimony I am in support of Resolution 19-283. According to the simulator recommended by the C&C of Honolulu, our house in the inland Ala Moana area may be greatly impacted by climate change. My neighbors and I should not have to pay for relocation, repair, etc. The fossil fuel industry should be accountable for the costs and damages we will face. I urge you to support reso 19-283.

Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 6:35 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Soo San Schake  
Phone 808-989-9398  
Email soosanschake@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

### Written Testimony

I strongly support Mayor Kirk Caldwell and the other city council members in joining this effort to hold the fossil fuel industry accountable for their mass influence in contributing to global warming. There is proof that these industries knew about the harmful effects of their products but still continued with their business anyway. This decision was not theirs to make, and it is the rest of the world who has to pay the consequences. Climate change is already wreaking mass havoc in our state and endangering our livelihood, our jobs, our homes, our food and water security and more. I want a world where my children and children's children will grow up to enjoy the same bountiful natural resources that I was able to. Mahalo!

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

19 NOV 12 PM 7:46 CITY CLERK

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**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 8:42 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Molly Mamaril
Phone	8082201171
Email	mollymamaril@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	RES19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 9:53 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Cheryl Ho
Phone	808 651-2303
Email	hiipoikealoha@aol.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Reso 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Sunday, November 10, 2019 10:32 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Romeo Reyes  
Phone 808-227-9245  
Email BELLA22RR@GMAIL.COM  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

I am proud to support your efforts to claim damages against the fossil fuel industry to assist Oahu's people with the costs facing us due to climate deterioration from these fuel related products.

Written Testimony Thank you for your consideration of my feelings on this matter.

Respectfully submitted,  
Romeo Reyes

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 12:38 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Sherry Pollack  
Phone 8082398276  
Email davidsher@juno.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

Intense heat waves, massive coral bleaching, rampant wildfires, hurricanes, floods, disappearing glaciers, disappearing arctic sea ice and disappearing polar ice caps. Climate change is here and threatening all life on earth. Our islands already feel the brunt of climate related impacts. The fossil fuel industry knew their products would lead to this climate catastrophe decades ago and willfully chose to lie and deceive everyone to protect their profit margin. As a result of their extreme greed and completely immoral actions, they committed crimes against humanity, and crimes against every living species on this planet. In addition to being forced to pay for the damages and costs that are now needed for mitigation and adaption, the heads of these corporations all need to be prosecuted and punished. I support the City hiring an attorney and pursue holding the fossil fuel industry responsible for the costs to Oahu's people, and for bringing these criminals to justice.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 7:14 AM  
**Subject:** Public Infrastructure, Technology and Sustainability Speaker Registration/testimony

## Speaker Registration/Testimony

Name Carol Simmons  
Phone 8082349421  
Email giftsofalohafor nonprofits@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ~~PITS~~ EMLA  
Agenda Item charging fuel companies for climate change  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written Testimony The fossil fuel companies knew for decades that they were adding to global warming. We are now at critical, high temperatures, danger to the ocean coral and sea life, rising seas that can wipe our homes and freeways, and more.  
They should cover the costs of planting millions of trees, alternative fuel, solar, electric cars.

Testimony Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 8:20 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191111081945\_City\_Council\_Executive\_Matters\_.pdf

## Speaker Registration/Testimony

Name	Ruth Holmberg
Phone	808 222 6498
Email	reberg1@me.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Reso 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	20191111081945_City_Council_Executive_Matters_.pdf
Accept Terms and Agreement	1

IP: 192.168.200.67

Aloha Chair and Members of this Committee,

I am writing to support Resolution 19-283 in support of filing litigation against the fossil fuel industry to recover costs to the City and County emergency costs related to climate change activity.

Clearly, the fossil fuel industry has known for some time that the effects of use of their products would be cause severe climate crises and subsequently devastating effects on effects on coastlines and infrastructures. They withheld this knowledge and continued to promote the use of fossil fuels on a global scale.

Oahu has been severely impacted. As a resident of the North Shore I see this impact along our immediate coastline. Soon roads will have to be moved inland in order to provide safe passage around the island. Why should taxpayers shoulder the burden for the many costs related to this damage?

I encourage the Committee to take action now. Be a leader in the fossil fuel fight. They have made billions of dollars while denying any related effects—although they knew this was false. Let's ask for a fair share. Let's not leave the burden with taxpayers.

I understand it will be possible to hire knowledgeable attorneys who will only receive compensation if they are successful in winning the suit on behalf of the people in this County. I encourage you to do this for all of us. I see no way to lose in taking this action now

Thank you in advance for your forward thinking actions.

Respectfully,

Ruth Holmberg  
67-245 Kiapoko St  
Waialua, HI 96791

**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 9:35 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name John Kawamoto  
Phone 852-2656  
Email jk1492@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

The fossil fuel industry denied for decades that fossil fuels contribute to climate change, even though their own research showed a causal relationship. Today, however, the science of climate change is so well understood by so many people that nearly every major fossil fuel company has acknowledged that carbon emissions help drive climate change. Yet, those fossil fuel companies refuse to take any financial responsibility for it.

They are employing a strategy that is similar to that of the tobacco industry decades ago. Like the tobacco industry did, the fossil fuel industry claims that it is not liable for any damages under current law. They received a setback recently when the U.S. Supreme Court determined that they may be sued for climate change.

### Written Testimony

Lawsuits have now been filed by the state of Rhode Island, New York City, Baltimore, eight coastal California cities and counties, three Colorado cities and counties, and a Washington county to force fossil fuel companies to ensure that their residents do not have to cover the entire cost of adapting to and mitigating climate change. It is incumbent upon the states and counties to take legal action because the current federal administration denies the science of climate change.

Oahu is particularly vulnerable to the effects of climate change because its 112 miles of coastline will be impacted by sea level rise. The Hawaii Climate Change Mitigation and Adaptation Commission estimates that sea level rise of 3.2 feet would inundate 9,400 acres on Oahu, displace 13,300 residents, flood 17.7 miles of major roads, destroy infrastructure, and result in \$12.9 billion in economic losses due to structure and

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land loss.

The City and County of Honolulu will certainly incur significant costs related to sea level rise and other effects of climate change. Taxes will certainly have to be increased significantly. As you well know, tax increases are always met with opposition. The magnitude of the tax increase can be reduced if the fossil fuel companies bear at least some financial responsibility for climate change.

The amount that might be received from the fossil fuel companies may be indicated by the amount Hawaii receives from the tobacco companies. Initially, Hawaii and 45 other states sued the major tobacco companies, and in 1998 the parties entered into a global settlement. That settlement requires the participating tobacco companies to pay the states \$206 billion over 25 years. Hawaii's share is \$1.38 billion, and Hawaii is still receiving that money. The damages associated with the use of tobacco are far less than those that will result from climate change. Furthermore, the major fossil fuel companies are much larger than the major tobacco companies.

In addition to financial compensation, the tobacco settlement also places prohibitions and restrictions on the tobacco companies, such as restrictions on advertising and marketing. As a result, the percentage of Americans who smoke tobacco has been reduced by two-thirds. A lawsuit against the fossil fuel companies could help wean Oahu off fossil fuels. That would move the City and County and the State towards the goal of a zero-emissions clean economy by 2045.

For the foregoing reasons, I urge the committee to adopt the resolution.

Testimony

Attachment

Accept Terms and  
Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 10:14 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Michelle Matson
Phone	8082223936
Email	msmatson808@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Resolution 19-283 and CD1
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 10:20 AM  
**Subject:** Council/Public Hearing Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Michelle Matson
Phone	8082223936
Email	msmatson808@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	Council
Agenda Item	Resolution 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:32 AM  
**Subject:** Council/Public Hearing Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Mary Carolyn Kuahulu  
Phone 8083523829  
Email dukiecarol@aol.com  
Meeting Date 11-12-2019  
Council/PH Committee Council  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Organization  
Organization Faith Action  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

**Written  
Testimony**

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone. Mahalo.  
M Carolyn Kuahulu

**Testimony  
Attachment**

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:48 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	David Chee
Phone	(808) 536-4891
Email	davidkschee@hotmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Reso 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:50 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Denise Boisvert  
Phone 415-845-5495  
Email infofordenise@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

I FULLY SUPPORT Resolution 19-283. It is an excellent way to prove how fossil fuel companies have caused climate change. It is despicable how they refuse to acknowledge it.

Written Testimony Resolution 19-283 will hopefully get them to stop ruining the climate and environment before it is too late.

The cost to do this will help save in the long run. A stitch in time saves nine!

Testimony Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:54 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Micah Chee
Phone	8085364891
Email	healthykidshawaii@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Reso 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I am 13 years old and I support suing fossil fuel companies.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:58 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Kim Jorgensen
Phone	415-845-5495
Email	hawaiiicondo@yahoo.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Resolution 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	I wholeheartedly support Resolution 19-283 and thank all members of the City Council for considering it.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 1:17 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Carla S Allison  
Phone 8083961488  
Email cbm@hawaii.rr.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

### Written Testimony

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone. Mahalo.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 1:42 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Nanea Lo  
Phone 8084543504  
Email naneaclo@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 6, RESO 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Hello,

My name is Nanea Lo. I am from Papakōlea, O'ahu, but I currently reside in Kaimukī. I am also a masters student in the Department of Urban and Regional Planning at UH Mānoa.

### Written Testimony

I am writing in Support of Agenda Item 6, RESO 19-283.

me ke aloha 'āina,  
Nanea Lo

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67



**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 1:48 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191111134801\_No\_19-283\_Testimony\_re\_Climate\_Change\_Legislation\_Draft\_11.11.19.pdf

## Speaker Registration/Testimony

Name Thomas Grimes  
Phone 8085229759  
Email tgrimes@alohagas.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Comment  
Representing Organization  
Organization Aloha Petroleum, Ltd.  
Do you wish to speak at the hearing? Yes  
Written Testimony  
Testimony Attachment 20191111134801\_No\_19-283\_Testimony\_re\_Climate\_Change\_Legislation\_Draft\_11.11.19.pdf  
Accept Terms and Agreement 1

19NOV12PM 8:11 CITY CLERK

IP: 192.168.200.67



TO: Honolulu City Council  
IKAIKA ANDERSON, Chair  
ANN H. KOBAYASHI, Vice Chair

FROM: Thomas Grimes  
President of Aloha Petroleum, Ltd.

HEARING  
DATE: Tuesday, November 12, 2019

TIME: 2:00 p.m.  
PLACE: CITY COUNCIL CHAMBER

RE: **Testimony regarding Resolution 19-283 (To authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate crisis-related costs)**

Chair, Vice Chair, and Members of the Honolulu City Council,

I'm Thomas Grimes, president of Aloha Petroleum, Ltd. Thank you for allowing Aloha Petroleum the opportunity to provide comments regarding Resolution 19-283, which would authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate crisis-related costs.

As a local company doing business in Hawaii since the early 1900s, Aloha currently employs nearly 800 employees; 75 percent of which work at 59 convenience stores, Dunkin' Donuts and Subway stores statewide. Aloha is proud to be the exclusive franchisee of Dunkin' Donuts in Hawaii and select Subway stores. While Aloha is the local licensee of the Shell brand in Hawaii, Aloha does not buy its petroleum products from Shell, but, rather, from local suppliers.

In the past year, state and local governments across the United States have launched a new wave of litigation seeking to hold "Big Oil" companies like ExxonMobil, BP, Chevron, and Shell liable for damages caused by climate change. The Honolulu City Council seeks to join this new wave of litigation, which claims that "Big Oil" companies knowingly contributed to climate change by extracting fossil fuels, by obscuring the science of climate change, and by fighting policies aimed at mitigating climate change, and consequently they should be held accountable.



Aloha takes no position on the merits of this litigation but is here today to clarify for the record that Aloha Petroleum is not a "Big Oil" company and should not be a party to this litigation. Unlike the "Big Oil" companies, Aloha does not participate in "Big Oil" activities of exploration, production, drilling, extraction or refining. Aloha was acquired by Sunoco LP in late 2014. Sunoco is a publicly held master limited partnership headquartered in Dallas, but is also not involved in exploration or production, drilling, extraction or refining. Neither company has ever monitored the science of climate change, nor attempted to give any input into the federal policies aimed at mitigating climate change. In addition, unlike the "Big Oil" companies, Aloha is a local distributor that buys fuel in bulk, stores the fuel and distributes the fuel to consumers at retail stations as well as commercial customers and resellers. Aloha should not be conflated with "Big Oil".

It is clear that Aloha is named as a resident non-diverse "sham" defendant in order for the City Council to file the case in friendly state court and to destroy the complete diversity necessary to remove the case to federal court by the remaining Big Oil company defendants. Although there are and have been refiners in Hawaii, Aloha is not one of them, and simply is not an indispensable party and has no stake in the proposed lawsuit. The courts will quickly see this is a perfect example of "Fraudulent Joinder" (i.e., plaintiff improperly destroying federal diversity jurisdiction by adding a resident sham defendant), and the case will be removed to federal court, and Aloha will be dismissed from the case.

It is for these reasons that Aloha Petroleum does not belong as a named defendant in Resolution 19-283 and we strongly urge that you exclude Aloha Petroleum from Resolution 19-283.

Thank you for the opportunity to offer comments to this Resolution.

**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 3:16 PM  
**Subject:** Council/Public Hearing Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Rev Steven Costa
Phone	808-741-0564
Email	thnxkeakua@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	Council
Agenda Item	Climate Law Suit
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	Yes
Written Testimony	I support the law suit against the Big Oil, for Climate destruction
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

19 NOV 12 AM 7:25 CITY CLERK

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 3:34 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name David B. Field  
Phone 8083436779  
Email gdbigdave@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

Written  
Testimony

As a paleoclimate researcher, I have spent decades reconstructing past changes in climate from fossils in ocean sediments. Scientists have collectively figured out how natural climate variability works on earth, and documented how recent changes are very different. We know that the current warming is caused by human-added greenhouse gasses. Yet because natural climate variability exists, the fossil fuel companies have successfully funded a campaign of misinformation to confuse the public to think that current warming might be a natural process. It is a huge challenge to educate people on the issue due to the mis-information the oil companies have helped spread. This is similar to the tobacco companies' campaign of mis-information saying that smoking wasn't necessarily a health risk, when they knew it was. Tobacco companies were sued because of it; fossil fuel companies should be held accountable too.

Testimony  
Attachment

Accept Terms and Agreement 1

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 3:49 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Calvin Pham  
Phone 8172391940  
Email cfpham@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 6  
Your position on the matter Oppose  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written  
Testimony

I do not believe it is right for the city to sue energy corporations for climate change. This action points the finger at an industry that has been upheld by the consumptive behaviors of people around the world and the decisions by governments that enabled this petroleum-based energy sector. We are all culpable and we can change how we produce and consume energy, but this proposed lawsuit would not guide this change. This action would be a hypocritical embarrassment and threatens the moral validity of the people with the power to enact purposeful changes in government and the private sector. We cannot and should not blame a subset of people for a problem that we all perpetuated.

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 4:49 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Will Caron  
Phone 8083874920  
Email willcaronforhawaii@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Fossil fuel companies knew long before anyone else that they were selling-off our future when they promoted junk science to convince policy makers there would be no serious consequences from heavy fossil fuel consumption and its resultant carbon emissions. Now our shorelines are threatened by sea level rise induced by global climate chaos as a direct result of those emissions. It's time to hold them accountable.

That being said, this CANNOT become a pass-the-buck move that gives policymakers like yourselves the opportunity to claim you're doing something about the situation without actually doing anything.

### Written Testimony

You absolutely must follow this action up with action of your own to put into place meaningful policies that reduce our carbon emissions through carbon-pricing; that green our economy and create sustainable jobs in the process; that facilitate local food production and reforestation; that protect and preserve our natural resources from corporate abuse; that put an end to single-use plastics; that ban coal-use in Hawai'i; that mandate sustainable design and architecture in developments, including moving to solar water heaters in all new buildings; that mandate 100% renewable energy for public transportation; that reduce our dependence on automobiles; that protect endangered species; and that liberate marginalized communities in Hawai'i from environmentally racist policies like placing major environmental projects in historically poor and indigenous communities like Nanakuli, Kahuku and Waimanalo.

In the two-and-a-half years since Governor Ige signed a bill committing Hawai'i to some of

the Paris Agreement stipulations, the legislature has failed to pass any meaningful bills that would actually move us toward those goals. This is unacceptable. The City & County must do its part, starting with supporting this resolution, but not refusing to stop there. We must not stop until we have completely changed the way Hawai'i policy treats the environmental challenges of the 21st century. It's time to start getting serious. I just hope it's not too late.

Testimony

Attachment

Accept Terms  
and Agreement 1

IP: 192.168.200.67



**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 5:23 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Mike Leory  
Phone 8088395522  
Email islanddemo@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Organization  
Organization Island Demo, Inc.  
Do you wish to speak at the hearing? Yes

Aloha Chair Menor and members of the EMLA Committee,

Written  
Testimony

I am offering my testimony in support of Resolution 19-238. This is a big step in dealing with the damages that have been affecting my business for years. Sea Level rise is a major burden on the Mapunapuna District and we haven't gotten any help or monies designated to alleviate the damages. Climate change means this will only get worse, that will hurt our business. I have seen my neighbors close or move away from the Mapunapuna area and we can't afford either of those options. I strongly urge you to vote yes to sue the fossil fuel industry who knowingly caused this problem, I should not have to pay for others. Please vote yes and recover climate related-costs to fix and upgrade infrastructure for Mapunapuna and the island as a whole.

Thank you,  
Mike Leory  
Island Demo

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 5:35 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Jerry Riverstone  
Phone 8082806612  
Email riverstonej@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

19NOV12 AM 8:11 CITY CLERK

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing in support of Resolution 19-283, as I believe the oil corporations need to pay their share for climate damage

Based on internal company research in the 1970s and 1980s, Exxon knew of the catastrophic danger that burning fossil fuels posed to Earth's climate. Yet instead of coming clean they chose to fund disinformation campaigns, misleading lawmakers and the public. Just as Big Tobacco was sued under public nuisance law, so too does Big Oil need to be held accountable.

### Written Testimony

On Oahu alone, the impacts from sea level rise – only one of the many impacts of climate change – are projected to cost over \$25 billion in the coming decades.

Unless the fossil fuel companies are forced to pay their share of the damage from climate change, Hawai'i taxpayers and our children will be picking up the entire tab.

As part of the lawsuit I hope that the oil companies will be required to provide documentation on which of the industry front groups and think tanks they supported, and the amount of their financial contributions.

Mahalo

Jerry Riverstone

Honolulu

Testimony  
Attachment

Accept Terms and  
Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 5:45 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191111174445\_Climate\_Litigation\_Testimony.pdf

## Speaker Registration/Testimony

Name	Lauren Watanabe
Phone	(808) 278-6658
Email	lauren.watanabe@sierraclub.org
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Resolution 19-238
Your position on the matter	Support
Representing	Organization
Organization	Sierra Club O'ahu
Do you wish to speak at the hearing?	Yes
Written Testimony	Please see attached.
Testimony Attachment	20191111174445_Climate_Litigation_Testimony.pdf
Accept Terms and Agreement	1

IP: 192.168.200.67

11/12/2019 8:11 CITY CLERK



# SIERRA CLUB OF HAWAII O'AHU GROUP

TESTIMONY IN SUPPORT  
AGENDA ITEM 6: RESOLUTION 19-283

RELATING TO AUTHORIZE THE DEPARTMENT OF CORPORATION COUNSEL TO INITIATE LEGAL  
ACTION AGAINST FOSSIL FUEL COMPANIES TO RECOVER CLIMATE CRISIS-RELATED COSTS

HONOLULU CITY COUNCIL  
Executive Matters and Legal Affairs Committee  
Tuesday November 12 at 1:00pm

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Aloha Chair Menor and Members of the Executive Matters and Legal Affairs Committee,

On behalf of the Sierra Club O'ahu Group and our 8,000 members and supporters, we are in strong support of the City's decision to hold big oil accountable for climate related costs to our public infrastructure and spaces. Governments should recuperate the expense of climate change adaptations from the fossil fuel industry because public records show that the industry knew climate change to be a real and catastrophic threat to the habitability of the planet for 50 years.

## **BIG OIL KNEW**

Fossil fuel companies invested significant resources in scientific studies, working groups and coalitions to understand the connection between fossil fuel emissions and climate change. As early as 1968, the American Petroleum Institute – the oil and gas industry's largest trade association – knew that burning fossil fuels was the primary cause of climate change and would have dire consequences for the earth's climate.<sup>1</sup> Some oil, gas, and coal companies heeded the scientific warnings and reinforced their own infrastructures to fortify them against intensified weather events and sea level rise.<sup>2</sup>

In 1986, Shell created a Greenhouse Effect Working Group that authored a confidential report quantifying its own products' dominant contribution to global CO2 emissions with detailed analysis of potential climate impacts, including rising sea levels, ocean acidification, and human conflicts due to migration. Authors of the Shell Corporation's report also noted the abandonment of cities and countries in low-lying areas and coral reef destruction, concluding these environmental and socio-economic changes may be the "greatest in human history."<sup>3</sup>

## **DECEPTION AND PROFIT**

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<sup>1</sup> <http://www.climatefiles.com/exxonmobil/1970-exxon-imperial-oil-pollution-is-everybodys-business/>

<sup>2</sup> <https://apnews.com/4adc5a2a2e6b45df953ebc6a6b63d171>

<sup>3</sup> <http://www.climatefiles.com/shell/1988-shell-report-greenhouse/>

Yet, these companies failed to warn the public of the threat using their products caused and they did not transition away from fossil fuel sources of energy to renewable sources. Instead, leaders in the fossil fuel industry funded climate denial science for over 30 years.

The Global Climate Coalition (GCC) was the largest fossil fuel industry group active in climate policy. From 1989-2000, the GCC opposed action to reduce greenhouse gas emissions and publicly challenged the science behind global warming. The GCC actively opposed the Kyoto Protocol, and played a role in blocking ratification of agreement by the United States. They knew about the scientific consensus that fossil fuel emissions cause global warming but ignored it in a well-funded lobbying and public relations campaign against efforts to curb emissions.<sup>4</sup>

During this same time period, the fossil fuel industry also made significant profits. In the last 20 years, ExxonMobil has routinely broken U.S. records for corporate earnings. In 2014, this one company posted its biggest annual profit ever: \$32.5 billion.<sup>5</sup> As a whole, this industry generated \$331 billion in profit in North America in 2013. Profits from fossil fuel use are expected to continue to be high. Exxon announced in 2018 plans to double its 2017 earnings by the year 2025 through increased fossil fuel production.<sup>6</sup>

### **THE CLIMATE CRISIS IN HAWAI'I**

Now the climate change impacts predicted decades ago are here and we are facing the greatest existential crisis to life as we know it. The Hawaiian Islands are seeing rising air and ocean temperatures, frequent extreme weather events like hurricanes, intense rainfall, and drought conditions. O'ahu residents already are and will continue to have to pay excessive sums of money to protect themselves and their homes, businesses, infrastructure, and unique ways of life from severe weather recovery and every day effects of sea level rise and warming temperatures.

According to the State's Sea Level Rise Vulnerability and Adaptation Report, Hawai'i will see: \$19 billion (in private expenses) in lost land and infrastructure by the middle to end of this century with an added \$15 billion to repair, maintain, and relocate 15% of Hawai'i's highways. The current budget is \$280 million—2% of estimated costs of climate change.<sup>7</sup> It is unjust to ask hardworking taxpayers to pay for these costs. O'ahu residents did not have the knowledge nor the means to prevent climate change in the way that these deceptive fossil fuel companies did.

### **HOLD THEM RESPONSIBLE**

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<sup>4</sup><https://www.nytimes.com/interactive/projects/documents/global-climate-coalition-aiam-climate-change-pri-mer#p=1%20>

<sup>5</sup> <https://www.sierraclub.org/sierra/2018-3-may-june/feature/the-case-for-climate-reparations>

<sup>6</sup><https://news.exxonmobil.com/press-release/exxonmobil-outlines-aggressive-growth-plans-more-double-earnings>

<sup>7</sup> [https://climateadaptation.hawaii.gov/wp-content/uploads/2017/12/SLR-Report\\_Dec2017.pdf](https://climateadaptation.hawaii.gov/wp-content/uploads/2017/12/SLR-Report_Dec2017.pdf)

Climate liability reflects the legal principle that climate polluters, like any other major industry (i.e. big tobacco, opioids, lead, asbestos), should pay for damages their products knowingly caused to the public. This means that those companies that knew their products lead to climate change should be held responsible and help citizens with climate-related expenses.

The Sierra Club of O'ahu strongly supports the City hiring expert attorneys that will only be paid if they win the lawsuit on our collective behalf. The moment is now to take radical action in order to mitigate the worst that's yet to come.

At least 15 entities across the US have already filed similar lawsuits against climate polluters. The City and County of Honolulu has the opportunity to do the same. Hawai'i voters support holding climate polluters responsible for the costs of climate adaptation.<sup>8</sup> According to a 2017 survey, 75% of respondents said that oil and gas companies should be responsible for some portion of costs to protect communities from climate change. This figure increases to 87% after reading about industry deception.

We thank the Mayor and the Honolulu City Council for their leadership in pursuing this lawsuit as the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Sincerely,

Lauren Watanabe  
Sierra Club O'ahu  
Program Manager

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<sup>8</sup> <https://sierraclubhawaii.org/wp-content/uploads/Winter2019Survey.pdf>

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 6:49 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Karen M Kimbrell
Phone	8082634221
Email	karen.kimbrell@gmail.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	6 RESO 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	Oil companies were fully aware of the effects of their actions on the world, but concealed and denied this. Their actions have caused this climate emergency, and they should be held accountable.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 8:03 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Kourtney Kwok  
Phone 8087266382  
Email kkwok20@punahou.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item RESOLUTION 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Dear Council Members,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs. O'ahu deserves compensation for the damage these companies have caused. Not only will this benefit the state, but also be an example for everywhere worldwide that this is possible.

The fossil fuel industry knew well beforehand about the negative impacts their products will cause on the environment. This means they chose the benefit of profiting off of the people over saving future lives. Yes, money is important because we need it to buy the basic necessities. However, there is a difference between trying to get money you need to survive and being selfish.

As time progressed and the rest of the world became educated about climate change, these companies still held their stance and continued to promote this dangerous product. They lied to their shareholders and lawmakers about these harmful effects.

My family is guilty of using fossil fuels for our cars. In fact, we all have a role to play in our use of fossil fuels because it powers the ships carrying products imported/exported to Hawaii, the buses we ride, and even our ambulances. Despite all this, these companies should still be held accountable for their past wrongdoings because they knowingly held this information away from us. For decades, they had the choice of either saving our planet or making millions of dollars. They chose to benefit themselves because it will not affect

Written  
Testimony

them in their lifetime. The people this will be affecting is me, a high school student about to go off to college. This will affect the keiki of Hawaii and all future generations - the ones who will one day be in charge sitting in the very seats you are in.

O'ahu faces billions of dollars in damages from climate change and potentially even more. Holding them responsible will help offset the costs for the people of O'ahu and show the world that we will not let this go under wraps. Hawaii has been one of the leaders in the fight against climate change, and I really hope that with this step forward, we can continue that.

Thank you for your time and I hope my perspective aids you in making the right decision for our island.

Testimony

Attachment

Accept Terms and  
Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 8:51 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name chloe kaminskas  
Phone 8089310016  
Email chloekaminskas@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 6  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? Yes

19NOV12 AM 8:11 CITY CLERK

Hello, distinguished members of the city and council,

Written  
Testimony

My name is Chloe Kaminskas and I am a senior at Le Jardin Academy. I am here today in support of this proposition to have oil companies take responsibility for the damage they have caused to our beautiful island. Climate change is very real and has been impacting our island in various ways, including sea-level rise, temperature increase, and more impactful natural disasters. All of which are the result of the increased levels of greenhouse gases being emitted into the atmosphere which are causing all sorts of problems. In my biology class we learned all about how the greenhouse effect is a completely normal and biological process, but what we are doing is not natural at all. With the increased usage of the burning of fossil fuels we are emitting excessive amounts of greenhouse gases that our carbon sinks are not able to store effectively. The biggest carbon sink is the ocean and we happen to be surrounded by it on our beautiful Hawaiian islands. With the increased levels of CO2 being stored in our water the water temperatures are rising and so are the acidic levels. Coral bleaching is a very real problem and does not only affect marine life but it directly impacts us. It doesn't just limit our ability to have fresh poke it will also impact our islands economically as well. Our main industry in Hawaii is tourism. It accounts for 21% of our state's economy. This is simply because Hawaii is beautiful. The reason it is so beautiful is because of the nature surrounding us. I go to Le Jardin and I can honestly say that the forest and mountains surrounding my campus make it stunning. As for the entirety of Hawaii without our thriving coral reefs, crystal blue water, and vibrant green forests our tourist industry is dead. Essentially, if we kill our environment we're stabbing ourselves in the foot. We need to pursue this lawsuit to make these oil companies accountable for the damage

they have caused. I believe this is the first step. Accountability is the first step in making progress. We must continue to fight and make Hawaii as sustainable as possible so we can not only support one of the most important industries but also keep our islands beautiful and set an example as the state that is making a difference within our climate crisis.  
Thank you.

Testimony  
Attachment  
Accept Terms  
and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 8:51 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Aidan Anderson  
Phone (808)7658189  
Email 42a.anderson@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

Fossil fuel companies have known about the devastating implications of their products for many decades, yet have taken NO action in mitigating these effects. Maintaining their innocence after putting humanity in jeopardy is not something the public can allow. I speak on behalf of my school, my family, and everyone who will be affected by the climate crisis.

This is about more than just money-- this about condemning the human corruption and greed that got us into the position we're in.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Mahalo nui loa,  
Aidan Anderson  
Senior at Le Jardin Academy

Testimony  
Attachment

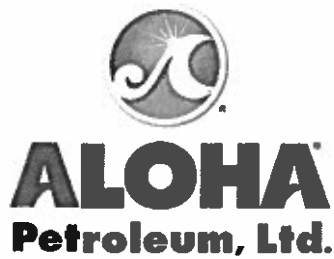
**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 9:33 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Wayne D. Parsons
Phone	808-845-2211
Email	wparsons@alohano.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	6. RESOLUTION 19-283 – CLIMATE CRISIS-RELATED COSTS
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	Yes
Written Testimony	None
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

11 NOV 12 AM 8:11 CITY CLERK



TO: Honolulu City Council  
IKAIKA ANDERSON, Chair  
ANN H. KOBAYASHI, Vice Chair

FROM: Thomas Grimes  
President of Aloha Petroleum, Ltd.

HEARING  
DATE: Tuesday, November 12, 2019

TIME: 2:00 p.m.  
PLACE: CITY COUNCIL CHAMBER

RE: **Testimony regarding Resolution 19-283 (To authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate crisis-related costs)**

Chair, Vice Chair, and Members of the Honolulu City Council,

I'm Thomas Grimes, president of Aloha Petroleum, Ltd. Thank you for allowing Aloha Petroleum the opportunity to provide comments regarding Resolution 19-283, which would authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate crisis-related costs.

As a local company doing business in Hawaii since the early 1900s, Aloha currently employs nearly 800 employees; 75 percent of which work at 59 convenience stores, Dunkin' Donuts and Subway stores statewide. Aloha is proud to be the exclusive franchisee of Dunkin' Donuts in Hawaii and select Subway stores. While Aloha is the local licensee of the Shell brand in Hawaii, Aloha does not buy its petroleum products from Shell, but, rather, from local suppliers.

In the past year, state and local governments across the United States have launched a new wave of litigation seeking to hold "Big Oil" companies like ExxonMobil, BP, Chevron, and Shell liable for damages caused by climate change. The Honolulu City Council seeks to join this new wave of litigation, which claims that "Big Oil" companies knowingly contributed to climate change by extracting fossil fuels, by obscuring the science of climate change, and by fighting policies aimed at mitigating climate change, and consequently they should be held accountable.

Testimony of Aloha Petroleum, Ltd.  
Resolution 19-283  
Hearing Date: November 12, 2019



Aloha takes no position on the merits of this litigation but is here today to clarify for the record that Aloha Petroleum is not a "Big Oil" company and should not be a party to this litigation. Unlike the "Big Oil" companies, Aloha does not participate in "Big Oil" activities of exploration, production, drilling, extraction or refining. Aloha was acquired by Sunoco LP in late 2014. Sunoco is a publicly held master limited partnership headquartered in Dallas, but is also not involved in exploration or production, drilling, extraction or refining. Neither company has ever monitored the science of climate change, nor attempted to give any input into the federal policies aimed at mitigating climate change. In addition, unlike the "Big Oil" companies, Aloha is a local distributor that buys fuel in bulk, stores the fuel and distributes the fuel to consumers at retail stations as well as commercial customers and resellers. Aloha should not be conflated with "Big Oil".

It is clear that Aloha is named as a resident non-diverse "sham" defendant in order for the City Council to file the case in friendly state court and to destroy the complete diversity necessary to remove the case to federal court by the remaining Big Oil company defendants. Although there are and have been refiners in Hawaii, Aloha is not one of them, and simply is not an indispensable party and has no stake in the proposed lawsuit. The courts will quickly see this is a perfect example of "Fraudulent Joinder" (i.e., plaintiff improperly destroying federal diversity jurisdiction by adding a resident sham defendant), and the case will be removed to federal court, and Aloha will be dismissed from the case.

It is for these reasons that Aloha Petroleum does not belong as a named defendant in Resolution 19-283 and we strongly urge that you exclude Aloha Petroleum from Resolution 19-283.

Thank you for the opportunity to offer comments to this Resolution.



**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 10:33 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191111223326\_350\_testimony\_for\_reso\_19-283-B--111219.docx

## Speaker Registration/Testimony

Name	Brodie Lockard
Phone	8082621285
Email	blockard@350hawaii.org
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	7
Your position on the matter	Support
Representing	Organization
Organization	350Hawaii.org
Do you wish to speak at the hearing?	Yes
Written Testimony	
Testimony Attachment	20191111223326_350_testimony_for_reso_19-283-B--111219.docx
Accept Terms and Agreement	1

IP: 192.168.200.67

11/11/2019 8:11 CITY CLERK



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183 Pinana St., Kailua, HI 96734 • 808-262-1285 • [info@350Hawaii.org](mailto:info@350Hawaii.org)

To: Executive Matters and Legal Affairs Committee  
From: Brodie Lockard, Founder, 350Hawaii.org  
Date: Tuesday, November 12, 2019

**In strong support of the Resolution to retain the Law Office of Sher Edling LLP**

Dear Chair Menor and Members of the Committee,

350Hawaii strongly supports the Resolution to retain the Law Office of Sher Edling LLP.

The fossil fuel industry could have chosen many paths to profit as far back as the 1970s, including photovoltaics, lithium batteries, hydrogen fuel cells and large wind turbines, all ripe for research and development then.

The one business model they chose was the one they knew was "distinctly possible" to "later produce effects which will indeed be catastrophic (at least for a substantial fraction of the Earth's population)" [<http://theguardian.com/environment/ng-interactive/2019/oct/09/half-century-dither-denial-climate-crisis-timeline>]. They've forced us to use oil and gas.

Now that the Climate Crisis they've largely caused is becoming more evident each day, we know *sealevel rise alone* will cost Hawaii taxpayers \$15 billion in public road relocations and \$19 billion in private property damage. Chronic flooding of roads, utilities and other public infrastructure may cost \$190 billion. This will come from your constituents' taxes, of course. High cost of living? Just wait.

We haven't even begun to guess the price of other damaged infrastructure; more and stronger hurricanes; declining tourism due to heatwaves, decreased trade winds, heavy rain with flooding, and beach loss; contaminated drinking water; drought; endangered fisheries; or declining crop production, all current or likely effects of climate change here.

Honolulu's annual trade wind days have fallen from the late 1970s' 291 to 210 in 2019. The state has tied or set over 225 record high temperatures since April. From 1950 to 1980, 71% of the years in Hawaii had below average temperatures. Since then, 77% of years have had above average temperatures.

Our first large-scale coral bleaching, in 1996, was followed by more in 2002, 2004, 2014 and 2015. Coral reef cover around the Pacific Islands is projected to decline from about 40% to 15%–30% by 2035 and 10%–20% by 2050.

As we suffer, the industry's profits skyrocket. Exxon profited \$500 billion since 2000. That money should be paying our astronomical bills.

Suing on contingency will cost taxpayers nothing: the law firm will be paid if and only if it wins. Bravo to Honolulu's Mayor and City Council, and Mayor Victorino, for trying to save taxpayers money.

Regardless of their outcome, the suits will strengthen public disgust with Big Oil, leading to more suits across the country. Eventually, one will succeed, as with the tobacco industry. We need to join in, now, to offset the many billions we'll be paying in taxes, as the Climate Crisis becomes ever worse.

This industry deserves to pay far more than tobacco, because it knew it would affect everyone on Earth, even non-customers.

A suit could help enormously with the many billions we'll have to pay. Surely you want your constituents to know that you did everything you could to alleviate their tax burdens?

There's no reason not to sue. Thank you for protecting us.

Brodie Lockard  
Founder, 350Hawaii.org

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**From:** CLK Council Info  
**Sent:** Monday, November 11, 2019 11:34 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Brooke Jones  
Phone 8082956501  
Email bejones@hawaii.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

I support Honolulu City Council's resolution to sue fossil fuel companies for climate change-related damages. If Honolulu moves forward with this suit, it will be joining two states and nine cities and counties in the U.S. that are seeking to hold fossil fuel companies accountable for the damages they have knowingly caused.

I am not a crazy environmentalist as fossil fuel industry lobbyists might have you believe. I support this suit because I am aware of the facts: Fossil fuel companies have known since 1965 that their decisions to drill, mine, and create a system dependent on fossil fuels would drive us into climate crisis - and they chose to do so anyway and to lie about this knowledge, so that they could make money.

### Written Testimony

I have read comments in the news from folks who are against this lawsuit. They argue that because we are dependent on fossil fuels, suing the companies makes no sense. These people are correct that we are currently dependent on fossil fuels, but incorrect in their logic that this means we therefore should not pursue a lawsuit. We are so dependent on fossil fuels precisely because the fossil fuel industries have worked for decades to ensure this, and they have done so while knowingly costing us future climate stability. We must set a precedent to hold big businesses accountable for their actions.

We will need to come up with the money to address damages as a result of rising shorelines and increased fires – and this is just the beginning. This will cost us big, and it makes sense to place the onus of this burden on those companies that knew the damage they were inflicting and decided to do so anyway. I support the city council in this resolution.

When the fossil fuel lobbyists are trying to talk you out of suing and painting those who support this resolution as somehow uninformed, please remember that they are lobbyists fighting for businesses. They are moneyed, they are powerful, and their goal is the continued success of the companies they represent even though we are living in a world that must move away from fossil fuels to sustainable energy. Please remember that the only way we will be able to address climate change is if we have the political will to do so. I ask you to continue to demonstrate this political will.

Testimony

Attachment

Accept Terms and  
Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 12:43 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Kristi Chun  
Phone 8082274769  
Email kristichun@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution to retain the Law Office of Sher Edling LLP  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

There is ample scientific data and international consensus that fossil fuels and CO2 emissions are causing near irreversible damage to our planet. I can't offer any more proof of this than what the scientific community has already offered and what you see with your own eyes and know in your heart. But what I can say is, I'm a mother of an innocent, wide eyed two year old, who I promised to protect till the day I die.

### Written Testimony

My family has lived in Hawaii for five generations now. Growing up here has been one of the greatest privileges I've ever known. My mother raised me to be a strong independent woman and when she told me I could do anything, I believed her. Today, when I look in his bright eyes, I tell my son the same. While deep down I mourn the loss of his future and the future of all our children.

On behalf of all future generations, I humbly ask you to open your heart and do something now. It's not right to risk what's not ours. We owe it to them. Please. Do the right thing.  
Mahalo

### Testimony Attachment

Accept Terms and Agreement 1

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 1:14 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	David Ray Mulinix
Phone	8082398276
Email	dave.mulinix@juno.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	Res 19-283
Your position on the matter	Support
Representing	Organization
Organization	Our Revolution Hawaii
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 6:23 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Deanna Espinas
Phone	808-228-6345
Email	espihawaii@juno.com
Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	resolution 19-283
Your position on the matter	Support
Representing	Organization
Organization	Faith Action
Do you wish to speak at the hearing?	No
Written Testimony	I support Resolution 19-283 against the fossil fuel industry.
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 8:20 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Larry Blake Harvey  
Phone 802-281-8014  
Email Blake@lawrenceblake.co  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,

Testimony  
Attachment

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 8:27 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Janet L Pappas  
Phone 8084884077  
Email jpappas60@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Written  
Testimony

Dear Council members,  
The cost and consequences of climate change will soon overwhelm us. There were people and companies who knew decades ago the devastation that fossil fuels could cause on our planet. Yet "business as usual" (with the addition of fracking) continued with denials and coverups. Should there be no accountability for this deception? I think not. The next generation is owed reparation. It is up to us to see that some measure of payment is made. Please support Resolution 19-283 to ensure that we do our utmost to right this wrong. Thank you for your concern on this matter.

Sincerely,  
Jan Pappas  
Aiea, Hawaii

Testimony  
Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 8:46 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Michael Smith  
Phone 8023694075  
Email Michael@michaelwilliamsmith.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

“Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O‘ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O‘ahu’s government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O‘ahu’s people.

Thank you for the opportunity to testify on this important matter.

Sincerely,  
Michael Smith

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 8:46 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Caitlin Moon  
Phone 8082803183  
Email cmahina@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

I support the passing of Resolution 19-283 because O'ahu must throw its hat into the ring in fighting climate change on a national and international level. The evidence is crystal clear that the fossil fuel giants knew that the amount of carbon their companies were contributing to the atmosphere would radically change the world's climate. They ignored the evidence and now our earth and all of its inhabitants are suffering. These giants must be held accountable and must be forced to change their ways. Resolution 19-283 is a step in that direction. Mahalo.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 8:47 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191112084712\_Blue\_Planet\_testimony\_on\_Reso\_19-283  
\_Climate\_Litigation\_committee.pdf

## Speaker Registration/Testimony

Name Jeff Mikulina  
Phone 8089546161  
Email jeff@blueplanetfoundation.org  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Organization  
Organization Blue Planet Foundation  
Do you wish to speak at the hearing? Yes  
Written Testimony  
Testimony Attachment 20191112084712\_Blue\_Planet\_testimony\_on\_Reso\_19-283\_Climate\_Litigation\_committee.pdf  
Accept Terms and Agreement 1

11/12/2019 8:54 CITY CLERK

IP: 192.168.200.67



**COMMITTEE ON EXECUTIVE MATTERS AND LEGAL AFFAIRS**

**City Council, City and County of Honolulu**

**November 12, 2019, 1:00 P.M.**

**(Testimony is 2 pages long)**

**TESTIMONY IN STRONG SUPPORT OF RESOLUTION 19-283 CD1**

Chair Menor, Vice Chair Fukunaga, and Members of the Committee:

Blue Planet Foundation strongly supports Resolution 19-283 CD1, authorizing the City and County of Honolulu (City) to initiate legal action against fossil fuel companies to recover climate crisis-related costs. We wholeheartedly endorse this litigation by the City to force the largest oil companies doing business on Oahu to participate in addressing the damage that their products—from which they profited mightily—caused.

O'ahu faces overwhelming impacts from the climate crisis that has, in part, resulted from these companies' actions. Honolulu just experienced its hottest summer on record, with over 29 record high temperatures broken. In addition to higher temperatures, O'ahu is threatened with more frequent and powerful hurricanes and storms, intense rainfall, flood events, and coastal erosion from sea level rise.

The 2017 Hawaii Sea Level Rise Vulnerability and Adaptation Report found "that with the 3.2 feet of sea level rise [cited in the report] and no actions in response: 9,400 acres of land (over half of which is in the Urban Land Use District) will experience chronic flooding, erosion, and/or high wave impacts; \$12.9 billion in land assets are threatened (not including public infrastructure); 13,300 residents will be displaced; 3,880 structures will be flooded; and 17.7 miles of major roadways will be flooded".<sup>1</sup>

Hotter ocean temperatures have led to coral bleaching due to the loss of symbiotic algae (zooxanthellae) living in their tissues. Over the past few months, heavy bleaching occurred in waters around Oahu, including Makua Beach, Yokohama Bay and Ko Olina, as well as around Daniel K. Inouye Airport, where over 75% of some corals, mostly cauliflower corals, had bleached. Bleaching affected the Windward side, including some parts of Kaneohe Bay and off Lanikai, where more than 50% of corals turned white.<sup>2</sup>

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<sup>1</sup> Hawaii's Climate Change Mitigation and Adaptation Commission. 2017. Hawaii's Sea Level Rise Vulnerability and Adaptation Report. Prepared by Tetra Tech, Inc. and the State of Hawaii's Department of Land and Natural Resources, Office of Conservation and Coastal Lands, under the State of Hawaii's Department of Land and Natural Resources Contract No: 64064.

<sup>2</sup> Wu, Nina. (2019, November 11). Coral bleaching widespread across Hawaiian Islands, surveys show. Honolulu Star-Advertiser, p. 1.

The basis of the lawsuit is that fossil fuel companies knowingly deceived their customers and policymakers about the connection between burning their products and climate change. Indeed, the largest oil companies knew for decades that greenhouse gas pollution from their products was having a significant negative effect on the earth's climate. But instead of working to reduce that harm, these companies chose to conceal the dangers, undermine public support for greenhouse gas regulation, and engage in massive campaigns to promote the ever-increasing use of their products and ever-increasing revenues in their pockets.

For example, Exxon's own research confirmed fossil fuel's role in climate change decades ago. Top executives warned of possible catastrophe from the greenhouse effect, then led efforts to block solutions. An investigative series of stories by InsideClimate News<sup>3</sup>, and later the Los Angeles Times<sup>4</sup>, disclosed that the oil company understood the science of global warming, predicted its catastrophic consequences, and then spent millions to promote misinformation.

According to the Los Angeles Times reporting, an Exxon internal draft memo from August 1988 titled "The Greenhouse Effect" laid out the company's communications position on climate change. Toward the end of the document, after an analysis that noted scientific consensus on the role fossil fuels play in global warming, he wrote that the company should "Emphasize the uncertainty."

#### EXXON POSITION

- o EMPHASIZE THE UNCERTAINTY IN SCIENTIFIC CONCLUSIONS REGARDING THE POTENTIAL ENHANCED GREENHOUSE EFFECT.

*An internal Exxon memo from August 1988 titled "The Greenhouse Effect."*

Blue Planet Foundation believes that the City's proposed climate litigation against these fossil fuel companies will reveal further information that the companies purposefully deceived the public and policymakers about the impacts of their products. This deception contributed to customers' decisions to continue to use the companies' products instead of pursuing alternatives, exacerbating the climate changes that Oahu will experience.

The City is right to demand accountability for the consequences of climate change brought on by the actions of key fossil fuel companies. We support this critical legal action by the City and we respectfully request that the City Council pass Resolution 19-283 CD1.

Thank you for the opportunity to testify.

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<sup>3</sup> Exxon: The Road Not Taken (<https://insideclimatenews.org/content/Exxon-The-Road-Not-Taken>)

<sup>4</sup> What Exxon Knew About the Earth's Melting Arctic (<https://graphics.latimes.com/exxon-arctic/>)

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 9:00 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191112085933\_Res\_19-283.docx

## Speaker Registration/Testimony

Name Abigail Wilmington  
Phone 3605678777  
Email awilming@my.hpu.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Members of the Executive Matters and Legal Affairs Committee,

I am writing in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

Written  
Testimony

Since the 1960s the fossil fuel industry has predicted with striking accuracy that their products would cause the climate crisis we are in today. However, they chose to act for themselves and scale up production. Despite having the knowledge of the impacts of their production, they chose to deliberately lie to shareholders, lawmakers, and the people about the dangers their products would cause. Due to their deception and campaign of misinformation, Hawai'i communities face billions of dollars in forced adaptation and loss of infrastructure. The impacts of climate change threaten the livelihoods of the people of O'ahu, as communities already know the impacts of the climate crisis—worsened brush fires, coastal erosion causing lack of access to coastal communities, unprecedented flooding, and increasingly dangerous hurricane activity. O'ahu's government and taxpayers should not be held responsible to pay for climate-related damages alone.

I support the city in hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on the people's collective behalf.

Filing this lawsuit is the next necessary step to take, given what we all know the fossil fuel industry has consciously done to our climate. Holding the fossil fuel industry responsible



for their effects on our climate will help offset the costs to O'ahu's people.

Thank you for the opportunity to testify on this pressing matter.

Sincerely,

Abigail Wilmington

Testimony  
Attachment

20191112085933\_Res\_19-283.docx

Accept Terms and  
Agreement 1

IP: 192.168.200.67

Aloha Members of the Executive Matter and Legal Affairs Committee,

I am writing in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

Since the 1960s the fossil fuel industry has predicted with striking accuracy that their products would cause the climate crisis we are in today. However, they chose to act for themselves and scale up production. Despite having the knowledge of the impacts of their production, they chose to deliberately lie to shareholders, lawmakers, and the people about the dangers their products would cause. Due to their deception and campaign of misinformation, Hawai'i communities face billions of dollars in forced adaptation and loss of infrastructure. The impacts of climate change threaten the livelihoods of the people of O'ahu, as communities already know the impacts of the climate crisis—worsened brush fires, coastal erosion causing lack of access to coastal communities, unprecedented flooding, and increasingly dangerous hurricane activity. O'ahu's government and taxpayers should not be held responsible to pay for climate-related damages alone.

I support the city in hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on the people's collective behalf.

Filing this lawsuit is the next necessary step to take, given what we all know the fossil fuel industry has consciously done to our climate. Holding the fossil fuel industry responsible for their effects on our climate will help offset the costs to O'ahu's people.

Thank you for the opportunity to testify on this pressing matter.

Sincerely,

Abigail Wilmington

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 9:00 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Keiko Gonzalez  
Phone 8085540393  
Email kiele.aloha@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's government and taxpayers should not be left to pay for climate-related damages alone.

Written  
Testimony

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,  
Keiko Gonzalez

Testimony  
Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 9:35 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191112093439\_Resolution\_19-283\_Testimony\_in\_Support.pdf

## Speaker Registration/Testimony

Name Richard Wallsgrove  
Phone 8083588415  
Email rwallsgrove@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No  
Written Testimony Please see attached.  
Testimony Attachment 20191112093439\_Resolution\_19-283\_Testimony\_in\_Support.pdf  
Accept Terms and Agreement 1

IP: 192.168.200.67

COMMITTEE ON EXECUTIVE MATTERS AND LEGAL AFFAIRS

November 12, 2019

TESTIMONY IN SUPPORT OF RESOLUTION 19-283

From 1978 to 1982, Exxon scientists reported:

- "CO<sub>2</sub> release [is] most likely source of inadvertent climate modification."
- "Prevailing opinion attributes CO<sub>2</sub> increase to fossil fuel combustion."
- "Doubling CO<sub>2</sub> could increase average global temperature 1°C to 3° by 2050 A.D. (10° predicted at the poles)."
- "[A]n increase as large as 2° would probably also affect the distribution of rainfall. ... Some countries would benefit but others could have their agricultural output reduced or destroyed."
- "Noticeable temperature changes would occur around 2010 as the concentration reaches 400 ppm." "A doubling of the pre-industrial concentration occurs around 2050. The doubling would bring about dramatic changes in the world's environment."
- **"There is unanimous agreement in the scientific community that a temperature increase of this magnitude would bring about significant changes in the earth's climate, incurring rainfall distribution and alternations in the biosphere."**

The oil industry's scientists were right. In 2019, atmospheric CO<sub>2</sub> reached 414 ppm, about 1.5 times higher than pre-industrial levels. The average world land temperature has risen approximately 1.5 °C from pre-industrial levels, and nearly 1° in the past 50 years. The world is seeing the damage that the oil industry's scientists predicted.

But by 1988 the oil industry's public position was different. "Exxon is providing leadership through API [the American Petroleum Institute] in developing the petroleum industry position." **"Exxon position": "Emphasize the uncertainty in scientific conclusions regarding the potential enhanced greenhouse effect."**

These quotes come from the industry's own documents, highlighted by climate litigation filed by cities and counties across the United States. They lend support to the Resolution and its finding that "certain fossil-fuel companies had knowledge about the damages that their product would cause as early as 1968, and actively engaged in a campaign from the 1970's to current day to cover up scientific information and misrepresent the dangers of their product."

As a father and a citizen, I urge the Council to approve Resolution 19-283. Thank you for this opportunity to testify.

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 9:53 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Joachim Ferreria  
Phone +1 8088929091  
Email jpaulferreira@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry has known from the 1960s the effects of burning coal and they have known about it all along and living in Hawaii, we have experienced these effects first-hand. We've seen an increase in the number of bushfires and whenever I'm on the Kamehameha highway on the east side, waves are constantly hitting the side of the road (something that wasn't the case a couple years ago).

Written  
Testimony

What makes it worse is that not only is the fossil fuel industry not helping in paying for the damages, but they have funded campaigns for misinformation with the goal of discrediting the impacts and validity of climate change. It's only fair that the companies that exacerbated and sped up the effects of climate change, while also trying to deny their involvement even after their own scientists predicted the negative impacts of the fossil fuel industry, be the ones to pay for the damage that they have done.

I support that the City hire expert attorneys that have complete knowledge about the area of law pertaining to this subject. Filing the lawsuit is what needs to be done next in order to hold the fossil fuel industry accountable and offset the costs of Oahu's people.

Thank you for the opportunity to testify on this important matter.

Sincerely,  
Joachim Paul Ferreira

Testimony  
Attachment  
Accept Terms and 1  
Agreement

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 10:38 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Kaleigh Smith  
Phone 6032756946  
Email ksmith59@my.hpu.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee: I am in support of Resolution 19-283, to authorize the Department of the Corporation Counsel to initiate legal action against fossil fuel companies to recover climate-related costs.

There is clear and abundant evidence that fossil fuels are the leading cause of climate change. Not only is this something the people of Hawaii know, but a fact that the fossil fuel companies have known for decades and have chosen to keep from the public. Fossil fuel companies have deceived the public and have put profits over our planet and people. Now that our islands are starting to feel the burden of climate change it only makes sense to hold these very same companies responsible for climate-related costs.

As a remote island chain, Hawaii is especially vulnerable to climate change. We are already seeing sea-level rise affect public roads, homes, and businesses. The price to rebuild and or repair these structures is already costing our state millions of dollars. Future sea-level rise is projected to affect 15 percent of Hawaii's state highways and cost an estimated \$15 billion. With the increased risk of storm surges and coastline degradation associated with climate change, future costs will only increase. It is not the burden of Hawaii's people and businesses to pay these costs, the burden alone falls on the fossil fuel companies who have perpetuated this situation.

Testimony  
Attachment  
Accept Terms and Agreement 1

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 10:58 AM  
**Subject:** Council/Public Hearing Speaker Registration/Testimony

## Speaker Registration/Testimony

**Name** Alana K. Reis  
**Phone** 8082825530  
**Email** arkeis07@gmail.com  
**Meeting Date** 11-12-2019  
**Council/PH Committee** Council  
**Agenda Item** Resolution 19-283  
**Your position on the matter** Support  
**Representing Organization** Self  
**Do you wish to speak at the hearing?** No

**Written Testimony**

\*\*\*\*\* THE MONEY OBTAINED FROM ANY LEGAL WINS AGAINST THE MISMANAGEMENT OF LIMITED RESOURCES AND POLITICAL SUBTERFUGE BY THE FOSSIL FUEL INDUSTRY, SHOULD BE USED IN HAWAII TO BUILD SYSTEMS AND INDUSTRIES FOR WASTE MANAGEMENT AND ECOLOGICALLY SUSTAINABLE ENERGY NEEDS. WE NEED A RECYCLING FACILITY THAT IS INNOVATIVE AND WELL-FUNDED, WE NEED CONSTANT EDUCATION AMONG THE PUBLIC ABOUT CLIMATE CHANGE, RECYCLING, AND MALAMA 'AINA, WE NEED TO HELP LOCAL BUSINESSES PHASE OUT OF SINGLE-USE PLASTICS. PLEASE CONSIDER MY TESTIMONY AND THAT OF THE SIERRA CLUB OF HAWAII SHARED BELOW: \*\*\*\*\*

"  
Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

I am writing to you today in support of Resolution 19-283, to file proactive litigation against the fossil fuel industry to recover climate crisis-related costs.

The fossil fuel industry knew their products would lead to the climate crisis and they chose to lie to shareholders, lawmakers, and the people about the dangers their products would cause. Because of their deception and inaction, O'ahu now faces billions of dollars in adaptation and loss of critical land and infrastructure. O'ahu's

government and taxpayers should not be left to pay for climate-related damages alone.

I support the City hiring expert attorneys that know all the details about this area of law and will only be paid if they win the lawsuit on our collective behalf.

Filing this lawsuit is the next reasonable step to take, given all that we know about what this industry has done to our climate. Holding the fossil fuel industry responsible will help offset the costs to O'ahu's people.

Thank for the opportunity to testify on this important matter.

Sincerely,

"

ALANA K. REIS  
LIFELONG KAILUA RESIDENT

Testimony  
Attachment

Accept Terms  
and Agreement

1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 11:01 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Jacquelynn Levien  
Phone 8082059566  
Email jackielevien@gmail.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

I strongly support - and urge the Committee to support - the passage of Resolution 19-283. It is imperative that we enable our County to sue fossil fuel companies to recover climate crisis-related costs. Fossil fuel companies have known for decades that they were significantly contributing to what is now a climate crisis, and they concealed that information from the public so that they could continue to make billions in profits for their shareholders. They are the but-for and legal cause of the climate-related damage that is happening right here in Hawaii, and that will continue to happen in exponential severity in the coming decades. The Committee should authorize the County to pursue legal action against these fossil fuel companies to hold them accountable for the harm their greed, negligence, and/or deliberate indifference to the well-being of our community has caused and will continue to cause.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 11:45 AM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name David Lovos  
Phone 512-743-5490  
Email davelovos@yahoo.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

The fossil fuel companies which deliberately misled the public through disinformation and withholding the truth regarding the known impact of the consumption of their products on our world's climate should be held accountable. The damage already done, for example the loss of 25% of Oahu's beaches, cannot be undone. We will never regain that lost 25% and stand to lose much more. Please proceed with the lawsuit in the hope that the fossil fuel companies can at least begin to contribute to mitigation of the enormous problems they have helped to cause.

### Testimony Attachment

Accept Terms and Agreement 1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 12:13 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Deshna Joe  
Phone 808-450-5154  
Email djoe@my.hpu.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Resolution 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha,

Written  
Testimony

My name is Deshna Joe and I am here to suppose the mayor's decision to hold oil companies responsible for placing the Hawaiian islands and its people under pressure from climate change. Climate change is important now and in the future. Oil companies are still the main contributors for increased emissions globally. Oil companies have little concern for rising sea level rise and stronger hurricane seasons within the Hawaiian islands. Studies have shown that climate change has risen global temperatures and sea level rise. These consequences put residents of Hawai'i to pay for damages from flooding and storm damages. These indirect affects have shown to decrease air quality in Hawai'i. We the people of the Hawaiian islands need to preserve our natural environment from acidification and increasing carbon emissions. We need to save our coral from increasing carbon emissions, because ocean acidification will occur. I've learned and reviewed articles that have studied the decrease in coral population. Corals are important for the environment to capture carbon, but oil companies have little interest to preserve Hawaiian culture. I believe this is the right direction Hawai'i to stand up for climate justice and financial security.

Mahalo Nui Loa,

Deshna Joe

Gates Millennium Scholar  
Hawaii Pacific University Honors I 2020 I

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 12:24 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Cathleen Drake  
Phone 6787331295  
Email cdrake1@my.hpu.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item Reso 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

Aloha Chair Menor and members of the Executive Matters and Legal Affairs Committee,

Written  
Testimony

My name is Cathleen Drake, I am writing to you today in support of the Resolution 19-283. I believe that there needs to be a litigation against the fossil fuel industry to recover the climate crisis related costs. Issues will continue to come as long as the fossil fuel industry continues to produce their products that will lead to increased Greenhouse Gases which in turn will inevitably lead to sea level rise. This can only mean the worst for the Hawaiian Islands. With sea level rise, loss of residential areas, tourist spots, and basic utility sectors will be affected resulting in billions of damages. Future problems will also arise due to surges, hurricanes and other oceanic-atmospheric conditions that will result in more damage for the islands as well as other areas. The fossil fuel industry was well aware of these issues and decided to provide erroneous information to lawmakers, shareholders, and the general public about the dangers. Taxpayers should not have to deal with the repercussion of the climate crisis alone.

I support the City hiring attorneys that are well knowledgeable and are able to help our island become better and change the way climate change is viewed in the lawmaking and political world.

pursuing this lawsuit is the best decision to take knowing that the industry was taking advantage of the people's future that we now must fix. Mahalo for your time and for the opportunity to testify.

Respectfully,

Cathleen Drake  
Hawaii Pacific University

Testimony  
Attachment  
Accept Terms and Agreement 1

IP: 192.168.200.67



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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 12:24 PM  
**Subject:** Council/Public Hearing Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Kaui Lucas
Phone	808.282.2007
Email	ms.kukui@yahoo.com
Meeting Date	11-12-2019
Council/PH Committee	Council
Agenda Item	19—283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

IP: 192.168.200.67

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 3:46 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name Mark Hixon  
Phone 8089566427  
Email hixonm@hawaii.edu  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item RESO 19-283  
Your position on the matter Support  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

### Written Testimony

- \* In 1977, James Black, a senior Exxon scientist, made a presentation to Exxon executives about how burning fossil fuels could eventually lead to a rise in global temperatures of four to five degrees Fahrenheit.
- \* In 1981 Exxon knew that "it is distinctly possible" that CO2 emissions from the company's 50-year plan "will later produce effects which will indeed be catastrophic (at least for a substantial fraction of the Earth's population)."
- \* In 1982 Exxon knew what CO2 concentrations and temperature rises burning fossil fuels would cause by 2019.
- \* Photovoltaic cells had been commercialized in the 1950s. If Exxon wanted to continue selling fuel for cars, hydrogen fuel cells were a field ripe for research and development in the 1970s.
- \* Exxon added engineering safeguards to the design of pipelines, helipads, near-shore facilities and offshore rigs to fortify them against climate change.
- \* Exxon's disinformation campaign spread through TV, newspapers, magazines and radio.
- \* In 2017 alone, fossil fuel subsidies worldwide reached 85% of all global subsidies.
- \* Exxon had climate-related knowledge, made immoral climate-related decisions, lobbied for and collected enormous government subsidies, recorded monstrous profits, propagated climate change denial, denied guilt, and caused Hawaii irreparable damage.
- \* Chevron, BP and Shell are high on the list of fossil fuel companies doing business in the U.S. that emitted the most carbon.
- \* The industry deserves to pay even more so than tobacco, because they knew everyone would be affected, not just those who chose to harm themselves.
- \* These companies are still deceiving, still denying responsibility, still profiting

monstrously, still receiving billions in subsidies, still not seriously pursuing renewables, still destroying Earth and still looking everywhere for more oil to make things even worse.  
\* Have you heard the fossil fuel cooperations' newest lie? The Climate Crisis isn't their fault at all, they're saying! It's your fault and my fault and the fault of everyone who's driven a car or plugged in an appliance. That's who has caused the Climate Crisis, not them.

\* There's literally nothing to lose by suing. Sher Edling will be suing for Honolulu on contingency, which means we pay nothing. Sher Edling is paid only if we win. There's no reason not to sue.

Testimony

Attachment

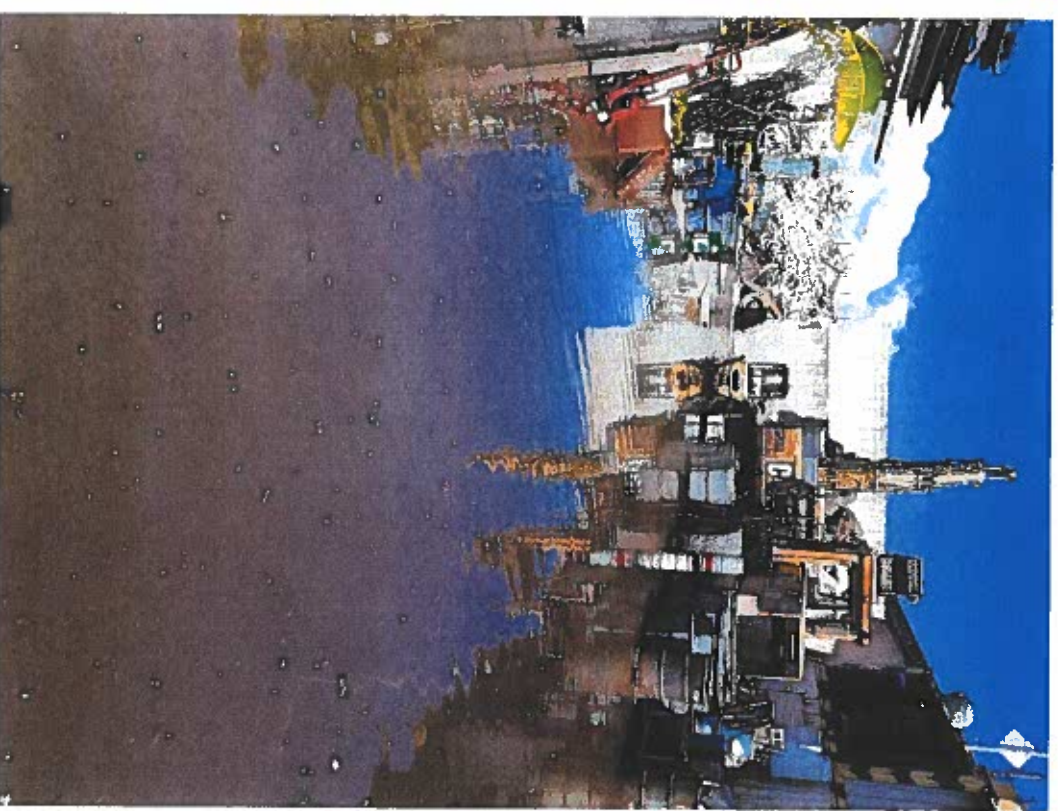
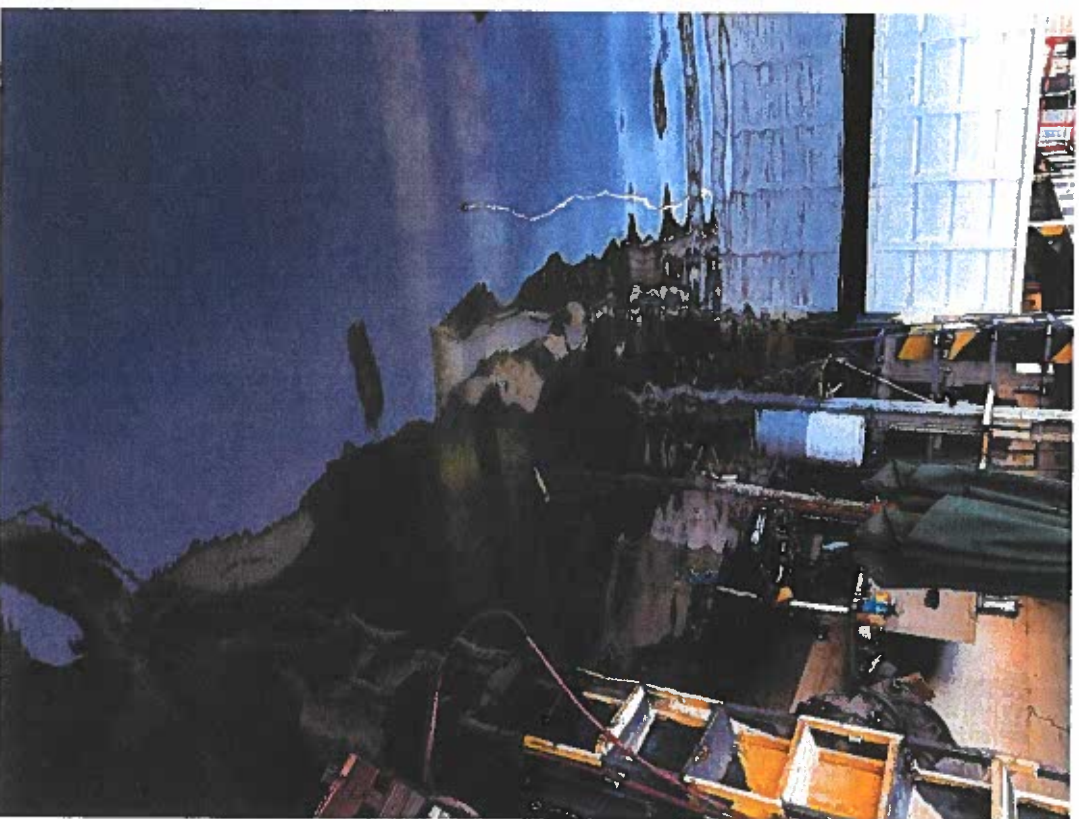
Accept Terms and  
Agreement 1

IP: 192.168.200.67

## **MAPUNAPUNA BUSINESS DISTRICT**

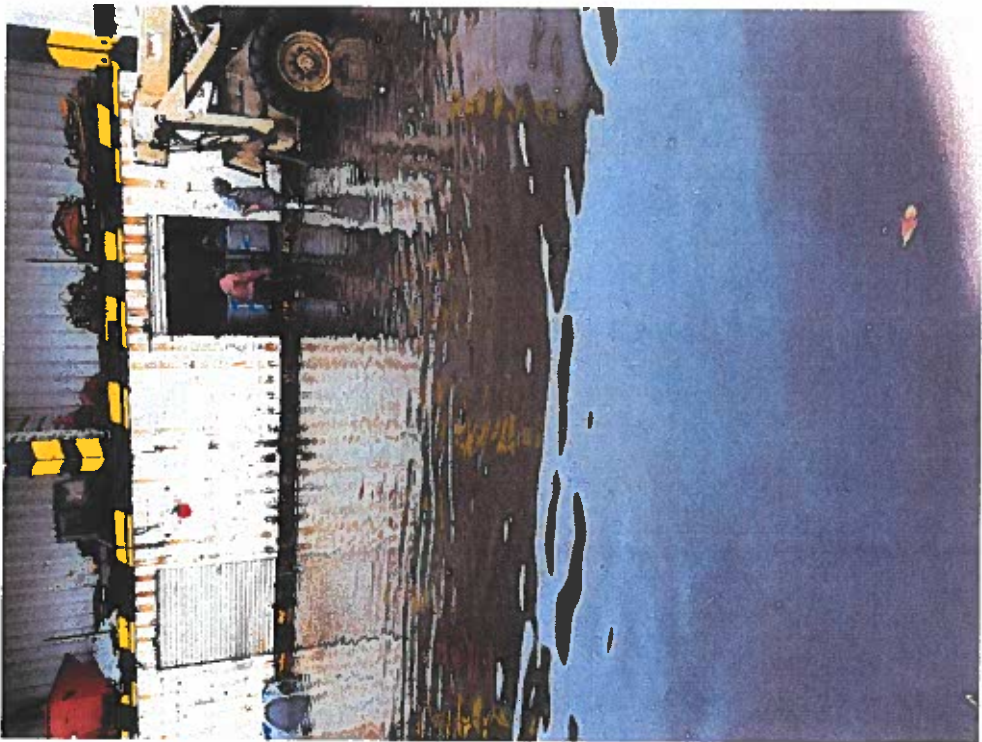
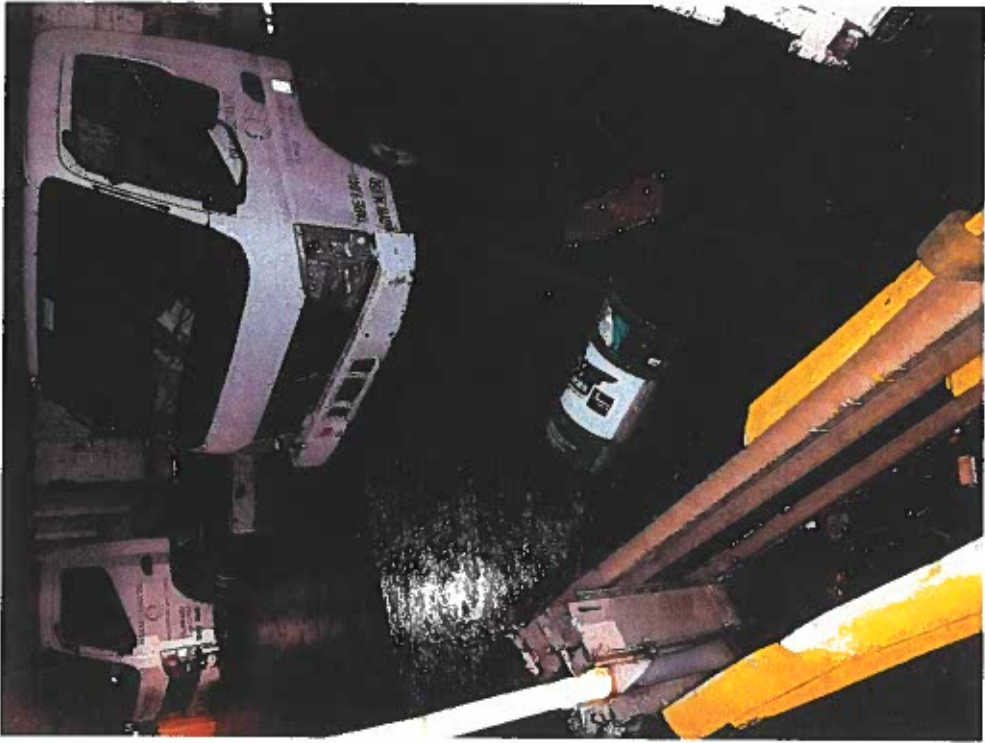
### **SEA LEVEL RISE FLOODING AND DAMAGE**

Photos taken in 2018 by Mike Leory from Island Demo, Inc.  
Commercial and Residential Demolition Services, Roll-off Service, Junk Removal, and Hauling, Asbestos Abatement.

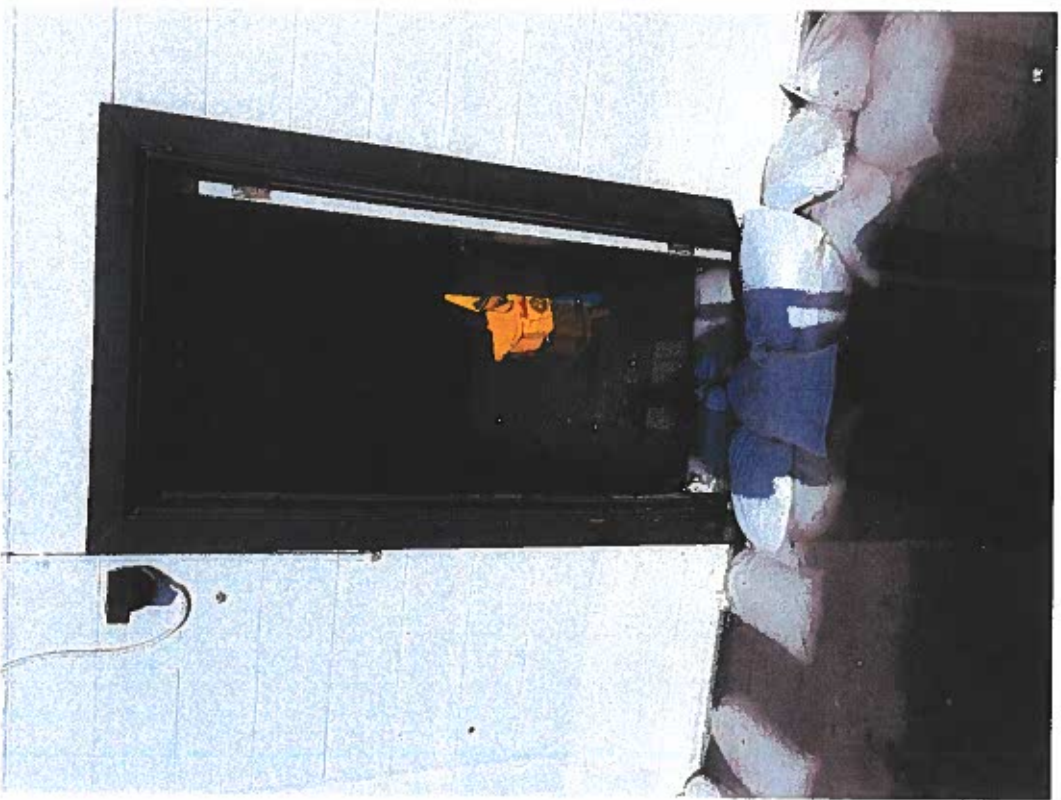












FLOODING ON AHUA ST.





FLOODING ON KILIHOU ST.





*Eric W. Gill, Financial Secretary-Treasurer*

*Gemma G. Weinstein, President*

*Godfrey Maeshiro, Senior Vice-President*

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Monday, November 11, 2019

City Council  
City and County of Honolulu  
530 South King Street  
Honolulu, Hawaii 96813

Re: Resolution 19-283 re: Initiating legal action against fossil fuel companies to recover climate crisis-related costs.

Chair Anderson, Vice-Chair Kobayashi & Members,

UNITE HERE Local 5, a local labor organization representing approximately 12,000 hotel, health care and food service workers employed throughout our State would like to offer comments in support of Resolution 19-283.

Resolution 19-283 as offered by Councilmembers Menor and Manahan would authorize the Department of Corporation Counsel to initiate legal action against the fossil fuel companies to recover climate crisis-related costs.

As a Union, we believe *One Job Should be Enough* - to have a roof over our heads, to keep up with the cost of living, to raise our families, and enough to retire with dignity. And as you know, our Union also has a strong tradition of standing-up on issues that directly impact our livelihoods and quality of life, and that is why we are here today.

We stand alongside many other community organizations and leaders to ask that you step-up with us. To help lead our community on a path that acknowledges in serious ways the negative impact climate change has and will continue to have on our island communities – our way of life, our livelihoods and local economy that depend so heavily on our beautiful beaches, coastlines and pristine green spaces.

Our beaches are already eroding in the face of sea level rise – nearly 25% of our beaches have been lost, and the total impact and cost to our local economy and future opportunities for our working families are already too great for us to stand idly by and do nothing. We must adapt to the changes that the climate crisis is bringing to our island communities, but it is also time that we hold the fossil fuel companies accountable for the costs and consequences of climate change.

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 11:57 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony  
**Attachments:** 20191112235656\_david\_keith.pdf

## Speaker Registration/Testimony

Name mark jones  
Phone 8083214207  
Email mrjamma@aol.com  
Meeting Date 11-12-2019  
Council/PH Committee ExecutiveMatters  
Agenda Item CLIMATE CRISIS-RELATED COSTS  
Your position on the matter Oppose  
Representing Self  
Organization  
Do you wish to speak at the hearing? No

I write In opposition of this resolution.

1. the claim that the sea level will rise in the future some 3+ feet. That is a hard claim to make. Any model can give you the results that you look for. One small deviance in a model and the results can differ and change the end result..  
Lots of development the shore line areas across the state that is going on and or in the planning stages. Do these projects take into account of sea level rise? A financial institution would not grant a loan of some sort knowing that in the near future the sea will rise and therefore the person granted the loan may fall into default.

Written Testimony 2. Climate Change is not settled science and the report which was presented I feel is flawed. the science behind climate change is not settled. in the court of law you will lose. you cannot prove that case.  
In the world of climate change the word "geoengineering" sticks out. if we look back we think of Native Americans doing a rain dance, I cannot prove that it worked or not at this time. if we take a look at the Vietnam war, there was a top secret event called " Operation Popeye" the event brought rain on demand. The US government seeded the clouds to create monsoons so the the Vietnamese could not supply their front lines. From the Vietnam era to now Geoengineering has gotten much better and highly technical. Hawaii's Own Daniel Inouye was working on a weather modification bill. "Weather Modification Research and Technology Transfer Authorization Act of ...  
By United States. Congress. Senate. Committee on Commerce, Science, and Transportation"

All of the climate change models never included Geoengineering/ weather Modification.  
3. Erosion is a product of rain as well as the ocean. Looking at the rain perspective. As I mentioned before what they did in Vietnam, they made it rain. Todays technology its called " cloud seeding" in which they seed clouds to make it rain in a given area. is this being done in Hawaii? The sea and the waves, tide and currents are the biggest contributors of this. when people talk of "king ties" they say how high the ocean had risen. if the ocean is rising in Hawaii what happens to the ocean on different parts of the globe? I will tell you Florida and some other place had record low tides. Is that from climate change?? possibly. then we have to look at what causes our tidal changes to begin with. the sun and the moon have been pretty consistent over time. What hasn't been consistent is the north pole. Its presently shifting. Do we blame the pole shift on the fossil fuel industry?

Testimony  
Attachment

20191112235656\_david\_keith.pdf

Accept Terms  
and Agreement

1

IP: 192.168.200.67

## Public engagement on solar radiation management and why it needs to happen now

Wylie A. Carr · Christopher J. Preston · Laurie Yung ·  
Bronislaw Szerszynski · David W. Keith ·  
Ashley M. Mercer

Received: 5 September 2012 / Accepted: 4 April 2013  
© Springer Science+Business Media Dordrecht 2013

**Abstract** There have been a number of calls for public engagement in geoengineering in recent years. However, there has been limited discussion of why the public should have a say or what the public can be expected to contribute to geoengineering discussions. We explore how public engagement can contribute to the research, development, and governance of one branch of geoengineering, solar radiation management (SRM), in three key ways: 1. by fulfilling ethical requirements for the inclusion of affected parties in democratic decision making processes; 2. by contributing to improved dialogue and trust between scientists and the public; and 3. by ensuring that decisions about SRM research and possible deployment are informed by a broad set of societal interests, values, and framings. Finally, we argue that, despite the nascent state of many SRM technologies, the time is right for the public to participate in engagement processes.

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This article is part of a special issue on “Geoengineering Research and its Limitations” edited by Robert Wood, Stephen Gardiner, and Lauren Hartzell-Nichols.

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Published online: 15 May 2013

 Springer



## 1 The context for public engagement in solar radiation management

Solar radiation management (SRM) has recently received increasing scientific, political, and public attention. SRM is a form of geoengineering that seeks to lessen the harmful impacts of climate change by altering the earth's albedo. Possible techniques include increasing the concentration of sulfuric acid droplets in the stratosphere or increasing marine cloud lifespan and albedo using salt water droplets (Royal Society 2009). While not a new idea (Keith 2000), attention to SRM increased dramatically with the publication of atmospheric chemist and Nobel Laureate Paul Crutzen's (2006) article "Albedo Enhancement by Stratospheric Sulfur Injections: A Contribution to Resolve a Policy Dilemma?" We focus here on SRM, as a subset of geoengineering technologies, because several SRM techniques currently are regarded as potentially inexpensive and technologically feasible, and could rapidly alter the entire climate system with global implications.

Since 2006, numerous scientific and policy reports have called for increasing research on SRM at both national and international levels. These reports have advocated increased funding for scientific and engineering research on SRM, recommended the coordination of interdisciplinary research to address the multifaceted ethical, legal, and social issues that SRM raises, and also advanced calls for public engagement. In fact, "public participation in geoengineering decision-making" is one of the five recommendations that make up the Oxford Principles, perhaps the most well-respected set of norms proposed to date for the governance of geoengineering research (Rayner et al. 2009). As Steve Rayner et al. point out in this volume, this principle encapsulates a "primary concern for legitimacy" of any future geoengineering activity (2013). Similar calls for engagement have featured in reports such as the Royal Society's (2009) *Geoengineering the Climate: Science, Governance and Uncertainty*, the House of Commons Science and Technology Committee's (2010) *The Regulation of Geoengineering*, the Bipartisan Policy Center's (2011) *Geoengineering: A National Strategic Plan for Research on the Potential Effectiveness, Feasibility, and Consequences of Climate Remediation Technologies*, and the Wilson Center's *Geoengineering for Decision Makers* (Olson 2011).

While these reports correctly identify a need for public input into SRM research and policy-making, they fail to adequately specify the purpose of public engagement and explain why it is necessary. Social scientists, on the other hand, have explored the justifications for the inclusion of the public in the early stages of technological research and development, and have begun to carry out preliminary public engagement exercises on SRM in the United Kingdom (UK) (e.g. Corner and Pidgeon 2010; Corner et al. 2012; Macnaghten and Szerszynski 2013). We wish to build upon this work by further exploring *why* public engagement must play a role in SRM, and *how* public engagement processes can contribute to SRM research and governance. More specifically, we hope to provide an accessible interdisciplinary argument, consisting of social, ethical, and technological justifications for engaging the public, to the broader community of climate scientists, policy-makers, and non-governmental organizations.

We define "public engagement" as participatory processes through which members of the public convey their views, concerns, and recommendations about emergent technologies and related decision-making, with the idea that the outcomes will inform both research and policy-making. Both advocates and critics of public engagement have sometimes seen it merely as a public relations strategy to convince the public to support a proposal that an organization wishes to press forward. Here we argue for public engagement as a legitimate, democratic dialogue about whether and how to advance a particular technology. Public engagement of this sort moves beyond viewing citizens as passive recipients of expert

opinions and recognizes the importance of actively involving citizens in technological design and policy making, and in shaping the goals and animating questions of public engagement exercises themselves (Wynne 2006). Such engagement informs and lends legitimacy to research, the governance of research, and policy decisions regarding a technology's regulation and/or possible deployment. The importance of public participation in the research, development, and regulation of emergent technologies is now widely recognized by both governments and scientific bodies (European Commission 2002; House of Lords 2000; Leshner 2003), and has been widely discussed and implemented in the case of nanotechnology in recent years (Delgado et al. 2011; Keames et al. 2006; Macnaghten et al. 2005; Royal Society 2004).

The latest report by the Solar Radiation Management Governance Initiative (SRMGI 2013) briefly mentions three rationales or motivations for engaging the public on emerging technological and scientific issues.<sup>1</sup> We utilize these three justifications as a starting point for examining the purpose and utility of public engagement processes in relation to SRM. The first is a normative or ethical rationale which views participation as necessary based on principles of equity and justice—people simply deserve to be informed about and have a say in a technology that has the potential to affect their lives. The second is an instrumental motivation frequently associated with bringing about particular outcomes, for instance minimizing adverse public responses to an emergent technology, promoting public awareness, or fostering trust in the scientists who design particular technologies and the institutions that regulate them (Royal Society 2004: 63). The third rationale for public participation is substantive, motivated by the desire to actually improve the quality of decisions involving SRM technologies via the incorporation of broader knowledge and active deliberation between publics, experts, and policy makers. Substantive motivations encourage the incorporation of diverse perspectives into research and development processes in order to improve both the relevance and effectiveness of resulting products, be they technologies themselves or regulatory policies surrounding implementation. The remainder of this article explains why all three rationales for public participation are relevant to SRM, provides concrete reasons why public participation is necessary from ethical, political, and technological perspectives, and explains why *now* is an appropriate time to begin engaging diverse publics in meaningful dialogue about SRM research and policy.

### 1.1 Normative justifications

Scientists involved in SRM research have been quick to acknowledge that the ethics of SRM are challenging. Many forms of SRM are designed specifically to impact the *global* climate. Modeling studies suggest that SRM techniques will likely have uneven impacts on regional and local climates (Moreno-Cruz et al. 2012; Ricke et al. 2010; Robock et al. 2008). As with unintended anthropogenic climate change (IPCC 2007), there will be winners and losers with SRM. Because the world's poor are most vulnerable to climate change they might be expected to benefit most from SRM, particularly if the technology mitigates expected losses in crop productivity (Pongratz et al. 2012). However the uneven effects of SRM mean that some people living at the subsistence level may be worse off if such technologies are implemented (Moreno-Cruz et al. 2012; Robock et al. 2008).

The possibility of uneven benefits and burdens raises difficult ethical issues involving consent and participation (Preston 2012). The deployment of SRM could be intrinsically

<sup>1</sup> Although attributed to Stirling (2005) in the SRMGI (2013) report, these rationales for public engagement date back to Fiorino (1990).

unpredictable in its effects, both on climatic processes and political systems (Hulme 2010; Macnaghten and Szerszynski 2013). Further, the very promise of SRM technologies could further weaken progress toward the reduction of carbon emissions. These issues by their very nature *demand* public engagement. To avoid compounding the existing injustices of climate change (Shue 1992), diverse populations whose lives, livelihoods, and societies could be significantly impacted by SRM should have the opportunity to be informed about the various technologies being proposed and how they might be affected. The requirement to be informed is essentially “an acknowledgement of one’s moral status” (Rayner et al. 2013) (i.e. of that fact that one counts morally). Additionally, these same populations should be afforded the opportunity to deliberate about, consent to, and agree to bear any possible harms of both field testing and possible deployment.

How the public conceives of notions such as ‘participation’ and ‘consent’ will influence how engagement processes are viewed and the ways in which they are implemented in practice (Rayner et al. 2013). In the case of SRM, the task of enabling meaningful public engagement that contributes to legitimate governance processes is complicated by the fact that it must be international in scope. Additionally, it must consider highly technical questions about a nascent technology that could be designed or used with a variety of intentions that will be difficult to pin down or regulate (Corner et al. 2012; Stilgoe 2011). While cognizant of these challenges, we suggest there is a moral imperative that diverse publics begin to contribute in meaningful ways—and soon—to discussions about whether and how any SRM testing and deployment should take place.

Public engagement is arguably even more necessary since the traditional institutions and practices of representative democracy may be inadequate to address the global implications of SRM technologies. The scale and scope of SRM proposals necessitates public engagement processes that seek out diverse views and encourage dialogue about public concerns and the assumptions that shape research priorities (SRMGI 2013; Wilsdon and Willis 2004). This needs to take place not only in the United Kingdom, where, as Corner et al. (2012) highlight, engagement processes on SRM are already taking place, but also in regions of the world where SRM is just beginning to enter the scientific and political lexicon. Engagement methods such as stakeholder groups, citizens’ juries, consensus conferences, and scenario workshops, among others, can be designed in culturally sensitive ways to ensure meaningful public participation at local, national, and even global levels (Rusike 2005).

## 1.2 Instrumental justifications

As the term itself indicates, instrumental rationales have tended to view public engagement as a tool for advancing particular goals. Instrumental public engagements have often taken the form of assessing public understanding and opinions about a given technology in order to shape strategic communications designed to generate public support or to prevent adverse responses (Stirling 2005). More manipulative forms of ‘engagement’ are already, and will continue to be, utilized by groups attempting to sway the debate on SRM in particular directions, by presenting information that is selective and framed in ways that are likely to lead to predetermined conclusions rather than genuinely open dialog and debate. However, instrumental engagements need not follow this trajectory. In fact, more recently, instrumental arguments for public engagement have tended to focus more on the positive indirect effects of greater openness and transparency about science and technology, including increased trust in public institutions, to the extent that those institutions are genuinely willing to open up their assumptions and self-conceptions to challenge and reformulation (Wynne 2006).



In the case of SRM, research into public perceptions can play a different but no less important instrumental role. While public perception methodologies such as survey research can reproduce the assumptions of researchers, and do not foster the back and forth dialogue between experts and publics characterized by effective public engagement methodologies, carefully crafted surveys and thoughtful assessment of public perceptions can play a critical role in promoting public awareness and debate about SRM. While often not explicitly aimed at integrating public concerns into policy-making or technological design, public perceptions work can make attentive scientists, engineers, and policy-makers aware of the social dimensions involved in the introduction of new technologies. The nascent nature of SRM research means that, while public awareness may be on the rise (Mercer et al. 2011) and media and political frames are beginning to take shape (Scott 2012), the majority of the global population is not familiar with the topic. As such, research aimed at understanding public perceptions of SRM and tracking changes in those perceptions over time can enhance our understanding of how to best facilitate dialogue between experts, policy makers, and the public about SRM and its attendant issues. For these reasons, research methods aimed at gauging public perceptions of SRM, such as mail and online surveys, telephone polls, and focus groups, while not constituting engagement in and of themselves, can provide valuable information that can inform more participatory processes in the future.

It is important to note that SRM is a contentious issue and it would be a mistake to try to reduce the discourse around it to a bland consensus that conceals genuine differences in interests, values, and framings. It would be even more problematic for public engagements to be utilized to maximize the power of a public relations campaign or to manipulate public opinion. As the Royal Society (2009: 42) has stated, “the full potential of any public engagement will not be realized if it is motivated primarily by a desire by advocates to secure public consent to geoengineering”. Rather, we need to know how different publics approach SRM, what they are concerned about, and how the stakes involved in SRM research and deployment decisions can be better articulated and debated. Crucially, this might involve changing the framings and assumptions of scientists, engineers, and policy makers, as much as those of the public.

### 1.3 Substantive justifications

Common misperceptions of the role of public engagement build on assumptions that technologies spring forth fully formed from the sciences, and that the role of the public is simply to shape decisions about their use, including the possibility of their prohibition. This framing deeply misconceives the task at hand in researching and developing SRM technologies and the appropriate role of public involvement. Rather than *science*, the development of SRM tools may be more usefully seen as *engineering*—the practical application of science to satisfy human needs or solve human problems. Science does not discover tools to manage climate risks by manipulating solar radiation any more than science discovers the iPod. The development of both is an engineering process that starts with a particular problem-definition, and—ideally—proceeds on the basis that the resulting technology will have to function under real-world conditions, and must thus take account of the likely interaction of users with the technology and the possibility for its misuse.

However, scientific and engineering communities involved in the development of SRM technologies will inevitably make assumptions—implicitly or explicitly—about the following: the objectives of the technologies; the criteria that should be used to assess them and how they should be weighed; the kinds of knowledge appropriate to draw upon for research; and the meaning and significance of public concerns (Galarraga and Szerszynski,

forthcoming). Thus, one substantive justification for public engagement is to open up these assumptions (Stirling 2005), and to try to ensure that research considers the broadest possible set of framings of SRM and related issues. This approach is more likely to produce socially robust research outcomes.

To do so, public engagement processes could directly deliberate plausible objectives for SRM technologies, for example, (1) keeping the climate as near as possible to pre-industrial conditions, (2) maximizing agricultural productivity, or (3) managing the consequences of low-probability high-impact 'climate catastrophes'. They could also interrogate how technical choices during the development of SRM would shape costs, the extent to which technological control would be dispersed or centralized, and how vulnerable SRM might be to disruption by societal changes like economic recessions or wars. Public engagement could also be used to challenge embedded problem-definitions to which the proposed technologies are presented as a solution (Stirling 2005), to question the plausibility of using 'technical fixes' for complex problems (Sarewitz and Nelson 2008), and to examine how well the assumptions made by technical and governance communities about SRM are likely to stand up under real-world conditions (Macnaghten and Szerszynski 2013). Without such public input the technical community developing SRM will tend to fall back on the implicit assumptions of a relatively homogeneous community (Kitcher 2001; Longino 1990; Wilsdon and Willis 2004).

Public engagement can help to democratically weigh and refine the objectives that drive SRM research, and help prevent a scenario in which the unstated assumptions of a community of developers ultimately impact the global population. Such engagement processes can also create the space for ideological discussions about the place and role of emergent technologies in our lives, and about the nature of the world that SRM deployment might bring about. Opposition to new technologies is often based on reasoned distrust of those who will be in control of new technologies and how they will use them, and on an assessment of the kind of social relations that the technologies seem to imply (Grove-White et al. 2000). If engagement processes facilitate recognition and genuine understanding of divergent views on SRM by scientists and engineers, such processes have the potential to incorporate a broad diversity of concerns into technological and policy decisions from the outset. SRM would give certain groups an unprecedented amount of leverage over our planet. Public engagement can help society to decide whether SRM *should* go ahead, but also help define the proper goals and boundaries of that leverage if it *does*. Such engagement needs to be characterized by an iterative dialogue that includes mutual learning and ultimately mutual design of SRM research and technology.

## 2 The time is now

Are everyday citizens around the world ready and able to discuss SRM in a meaningful way? We think the answer is yes. The potential for diverse publics to meaningfully engage in early dialogue about emergent technologies has been amply demonstrated over the past decade. In cases ranging from genetically modified foods to nanotechnology, researchers have found that citizens are able to engage in thoughtful discussion about nascent and complex technologies even when public awareness is low (Kearnes et al. 2006; Stilgoe and Wilsdon 2007). In fact, public engagement can be more effective when initiated while technologies and the public discourses surrounding them are still taking shape. Participants in public engagement exercises do not need to have substantial knowledge of the technology of interest beforehand. They can come to well-reasoned judgments about a

technology through a combination of basic information conveyed during the engagement process, their own 'lay' knowledge about nature and technology, and their commonsense knowledge of the social world (Marris et al. 2001). In fact, several recent public engagement efforts in the UK have demonstrated that citizens are able to critically assess social, ethical, and technical aspects of SRM research when provided with relatively minimal information (Corner et al. 2012; Macnaghten and Szerszynski 2013). These engagement efforts and a survey in North America and the UK (Mercer et al. 2011) establish that the public is able to understand the basic mechanics of SRM and readily identify concerns and issues that they believe need to be addressed.

Public engagement need not entail members of the public entering the lab and standing over the shoulders of scientists and engineers, but rather can simply involve facilitating processes whereby legitimate public concerns can be incorporated into decisions about the practice and governance of SRM research. Just as experts often feel that science is misunderstood by the public, so publics often feel ignored or misunderstood by experts (Wynne 2006). Rather than questioning scientific or technical expertise per se, the public typically wants to know that unrealistic assumptions about levels of predictability and control are not being made, that alternative framings and problem-definitions have been considered, and that decisions that will be highly consequential for society are not proceeding on the basis of a narrow set of framings or economic interests. For instance, previous engagement exercises in the UK and public perceptions research have revealed concerns about the relative "naturalness" of different SRM technologies, unease about the scale of interventions, concerns about the distribution of harms and benefits, a desire for governance mechanisms and transparency about research, and skepticism about the ultimate compatibility of SRM with democratic processes (Carr et al. 2012; Corner et al. 2012; Macnaghten and Szerszynski 2013). In order for the public to view engagement processes as legitimate, they need to know that scientists, engineers, and policymakers are ready to take such concerns seriously.

As Corner and Pidgeon (2010) and Corner et al. (2012) point out, public engagement on geoenvironment faces the difficulties encountered by all attempts to include publics in decision-making processes. Such challenges include decisions about how engagement processes are structured, who participates, and how the results feed into policy-making processes by government officials, scientists, or the private sector. Additionally, attempts at public engagement must wrestle with the diversity of views on the role of the citizen relative to formal political decision-making in different countries around the world. In countries that embrace less democratic forms of governance, the public may not be conceptualized as having a legitimate say in policy-making and political culture might not enable meaningful dialogue. In the developing world, participatory practices can have the effect of strengthening the powerful and weakening other, complementary modes of democratic politics (Cooke and Kothari 2001). Even in long-running democracies, citizen participation and input into decision-making are variously envisioned, and practiced in ways that often only *appear* to treat the public as equal participants (Wynne 2006). Because of the global implications of SRM, public engagement would need to confront competing ideas about the role of the public relative to experts and decision-makers. And while it is tempting to simply call for additional engagements in well-established democracies in Europe or North America, public dialogue and participation needs to include more diverse and marginalized populations as soon as possible, to counter the dominance of Western perspectives in what should be a global discussion.

Conducting broad national and international engagements, particularly in developing nations where the greatest impacts (positive or negative) of SRM could be felt, certainly raises significant challenges. The enormous scale, the diversity of cultures and languages,

and the differences in political cultures, access to communication technology, and awareness and understanding of climate change and Western technology all present real barriers to public engagement. As public engagement efforts expand to a broader range of countries, we should not expect consistent methods and goals. Rather, the dynamic and emergent nature of politics, along with the diversity of political cultures, will likely result in a range of processes, that are haphazardly, opportunistically, and strategically stitched together to form an evolving global discourse. Some initiatives will emerge spontaneously in civil society, and perhaps take more unruly forms than those discussed here. Furthermore, if numerous engagements were carried out across the globe, public input would need to be synthesized and made usable for scientists, engineers, and policy makers. At the same time, some governments and interests will resist engagement efforts and seek to undermine them. While a disparate and non-uniform set of engagements may seem less than ideal, innovation and creativity has the potential to result in processes that are culturally relevant and politically feasible in different countries around the world.

A range of institutions could spearhead efforts, as the question of who should facilitate engagement and at what scale will be answered differently in different political and cultural contexts. Furthermore, we should expect considerable diversity in and across regions and countries, depending on who has the interest and capacity to implement engagement processes. For instance, in the UK, public engagement processes on geoengineering have thus far been largely funded by the national government through two research councils and carried out by academics, market research companies, and NGOs (Corner et al. 2012). Following this model, funding agencies in various countries, such as the National Science Foundation in the United States, could encourage or require future geoengineering research proposals to include public engagement exercises. Alternatively, professional societies or NGOs interested in promoting awareness and dialog around environmental and technological issues could initiate engagement efforts. The Royal Society, for instance, organized a small engagement process in conjunction with their 2009 geoengineering report. They have also coordinated with TWAS [the academy of sciences for the developing world], and the Environmental Defense Fund (EDF), to facilitate the ongoing Solar Radiation Management Governance Initiative (SRMGI), which has now conducted meetings in Africa and Asia aimed at expanding the discussion of SRM to include perspectives from the developing world (SRMGI 2013). While these meetings were not public engagement exercises as described above, SRMGI does indicate the possibility for innovative partnerships across government agencies, NGOs, and research societies to fund and initiate such processes in the future.

We suggest that engagement processes could, and will need to, scale up over time as scientific understanding and research and governance capacity builds (SRMGI 2013). Initial, small scale public engagement efforts such as focus groups in different parts of the world could begin to spotlight the different perspectives of diverse populations. Over time, engagement processes should expand, include more diverse groups and better reflect and represent both the global population and a broader range of views therein. Throughout this process, interdisciplinary research teams will need to work with governments, civil society groups (such as environmental NGOs), and citizens to develop effective engagement methods sensitive to different political and cultural systems, while also working to better integrate the information generated in public engagement exercises into the development of SRM technologies and policies.

A range of engagement methods have been developed in the past decade and could be employed across a variety of political and cultural systems around the world (Rowe and Frewer 2005). For instance, in several European parliamentary systems, upstream public

engagement has proven a particularly useful tool, eliciting public views in advance of and in coordination with decision-making by elected representatives. In the United States, where citizens have multiple avenues through which to influence decision-making beyond electoral processes, such as litigation, ballot initiatives, lobbying, and comments during administrative rule-making, innovative stakeholder processes have emerged, including citizen-initiated collaborative groups that could be utilized to link stakeholder processes directly to decision-makers and/or legislation and regulatory rule-making (Dryzek and Tucker 2008). These engagement methods will undoubtedly need to be adapted or new and innovative forms of engagement developed to be effective in non-Western contexts. Examples of this type of adaptation exist, such as the use of citizen's juries in India and Zimbabwe to include subsistence farmers in discussions about genetically modified crops (Rusike 2005).

Despite potential difficulties, the scale and scope of current SRM proposals make the alternatives to open and inclusive international deliberation, such as decisions made solely by scientists and policy makers in a small group of countries, unacceptable. Even existing national and supranational institutions of representative democracy may struggle to command sufficient legitimacy to make decisions about willfully manipulating the global climate through either large-scale testing or deployment of SRM. Such decisions have the potential to shape our collective future and therefore must incorporate the views and concerns of the diverse publics that inhabit this planet to be ethically, politically, socially, and technologically legitimate and robust. From a normative perspective, public engagement exercises help satisfy moral requirements for participation by affected parties. From an instrumental perspective, early awareness of public concerns can produce a better understanding of how to ensure that public engagement exercises connect with the sort of issues and concerns that people have about SRM. From a substantive perspective, engagement with diverse publics will ensure that decisions about SRM research and its possible deployment are informed by a broader set of perspectives and priorities, and are thus more likely to serve the needs of the world's various populations. Because diverse publics currently appear ready, willing, and able to engage with the topic of SRM, and because public engagement processes hold the potential to improve SRM technologies and policies, we suggest that public engagement should be a mandatory component of any nationally or internationally funded research program on SRM.

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## References

- BPC (2011) Geoengineering: A national strategic plan for research on the potential effectiveness, feasibility, and consequences of climate remediation technologies. Bipartisan Policy Center's Task Force on Climate Remediation
- Carr W, Mercer A, Palmer C (2012) Public concerns about the ethics of solar radiation management. In: Preston CJ (ed) *Engineering the climate: The ethics of solar radiation management*. Lexington Books, Lahham, pp 169–186
- Cooke B, Kothari U (2001) *Participation: The new tyranny?* Zed Books, London
- Comer A, Pidgeon N (2010) Geoengineering the climate: the social and ethical implications. *Environment* 52(1):24–37

- Cornier A, Pidgeon N, Parkhill K (2012) Perceptions of geoengineering: public attitudes, stakeholder perspectives, and the challenge of 'upstream' engagement. *Wiley Interdisc Rev Clim Chang* 3(5):451–466
- Crutzen P (2006) Albedo enhancement by stratospheric sulfur injections: a contribution to resolve a policy dilemma? *Clim Chang* 77(3):211–220
- Delgado A, Lein Kjøberg K, Wickson F (2011) Public engagement coming of age: from theory to practice in STS encounters with nanotechnology. *Public Underst Sci* 20(6):826–845
- Dryzek JS, Tucker A (2008) Deliberative innovation to different effect: consensus conferences in Denmark, France, and the United States. *Public Admin Rev* 68(5):864–876
- European Commission (2002) Science and society: Action plan. European Commission, Luxembourg
- Fiorino DJ (1990) Citizen participation and environmental risk: a survey of institutional mechanisms. *Sci Tech Hum Val* 15(2):226–243
- Galarraga M, Szerszynski B (forthcoming) Geoengineering knowledge: interdisciplinarity and the shaping of climate engineering research. *Environ Plan A*
- Grove-White R, Macnaghten P, Wynne B (2000) Wising up: The public and new technologies. Centre for the Study of Environmental Change, Lancaster University, Lancaster, [http://www.csec.lancs.ac.uk/docs/wising\\_upmacnaghten.pdf](http://www.csec.lancs.ac.uk/docs/wising_upmacnaghten.pdf)
- House of Commons (2010) The regulation of geoengineering. Science and Technology Committee. Fifth report of the session 2009–2010 (HC221)
- House of Lords (2000) Science and society: Third report. Select Committee on Science and Technology, London
- Hulme M (2010) Climate intervention schemes could be undone by geopolitics. *Yale Environ* 360: [http://e360.yale.edu/author/Mike\\_Hulme/84/](http://e360.yale.edu/author/Mike_Hulme/84/)
- IPCC (2007) Climate change 2007: The fourth assessment report of the intergovernmental panel on climate change. IPCC, Cambridge
- Kearnes M, Macnaghten P, Wilsdon J (2006) Governing the nanoscale: Peoples, policies, and emerging technologies. Demos, London
- Keith DW (2000) Geoengineering the climate: history and prospect. *Annu Rev Energ Environ* 25(1):245
- Kitcher P (2001) Science, truth, and democracy. Oxford University Press, New York
- Leshner AI (2003) Public engagement with science. *Science* 299(5609):977
- Longino H (1990) Science as social knowledge: Values and objectivity in science and social inquiry. Princeton University Press, Princeton
- Macnaghten P, Kearnes MB, Wynne B (2005) Nanotechnology, governance, and public deliberation: what role for the social sciences? *Sci Commun* 27(2):268–291
- Macnaghten P, Szerszynski B (2013) Living the global social experiment: an analysis of public discourse on geoengineering and its implications for governance. *Glob Environ Chang*. doi:10.1016/j.gloenvcha.2012.12.008, published online 21 January 2013
- Marris C, Wynne B, Simmons P, Weldon S (2001) Public perceptions of agricultural biotechnologies in Europe. Final report of the PABE Research project, <http://www.lancs.ac.uk/depts/ieppp/pabe/docs.htm>
- Mercer AM, Keith D, Sharp JD (2011) Public understanding of solar radiation management. *Environ Res Lett* 6(4):044006
- Moreno-Cruz J, Ricke K, Keith D (2012) A simple model to account for regional inequalities in the effectiveness of solar radiation management. *Clim Chang* 110(3):649–668
- Olson R (2011) Geoengineering for decision makers. Woodrow Wilson International Center for Scholars, Washington, D.C
- Pongratz J, Lobell DB, Cao L, Caldeira K (2012) Crop yields in a geoengineered climate. *Nat Clim Chang* 2(2):101–105
- Preston C (2012) Solar radiation management and vulnerable populations: The moral deficit and its prospects. In: Preston CJ (ed) *Engineering the climate: The ethics of solar radiation management*. Lexington Books, Lanham, pp. 77–93
- Rayner S, Redgewell C, Savulescu J, Pidgeon N, Kruger T (2009) Memorandum on draft principles for the conduct of geoengineering research, (the 'Oxford Principles') reproduced in House of Commons Science and Technology Committee, The regulation of geoengineering, fifth report of the session 2009–10, report together with formal minutes, oral and written evidence, (HC221), 18 March 2010. [www.publications.parliament.uk/pa/cm200910/cmselect/cmsctech/221/221.pdf](http://www.publications.parliament.uk/pa/cm200910/cmselect/cmsctech/221/221.pdf)
- Rayner S, Heyward C, Kruger T, Pidgeon N, Redgewell C, Savulescu J (2013) The Oxford Principles. *Climatic Change*. doi:10.1007/s10584-012-0675-2
- Ricke KL, Morgan MG, Allen MR (2010) Regional climate response to solar-radiation management. *Nat Geosci* 3(8):537–541
- Robock A, Oman L, Stenchikov GL (2008) Regional climate responses to geoengineering with tropical and Arctic SO<sub>2</sub> injections. *J Geophys Res: Atmospheres*, 113(D16), D16101
- Rowe G, Frewer LJ (2005) A typology of public engagement mechanisms. *Sci Tech Hum Val* 30(2):251–290

- Royal Society (2004) Nanoscience and nanotechnologies: Opportunities and uncertainties. The Royal Society, London
- Royal Society (2009) Geoengineering the climate: Science, governance, and uncertainty. The Royal Society, London
- Rusike E (2005) Exploring food and farming futures in Zimbabwe: A citizens' jury and scenario workshop experiment. In: Leach M, Scoones I, Wynne B (eds) Science and citizens: Globalization and the challenge of engagement. Zed Books, London
- Sarewitz D, Nelson R (2008) Three rules for technological fixes. *Nature* 456(18):671–872
- Scott D (2012) Insurance policy or technological fix? The ethical implications of framing solar radiation management. In: Preston CJ (ed) Engineering the climate: The ethics of solar radiation management. Lexington Books, Lahham, pp. 151–168
- Shue H (1992) The unavoidability of justice. In: Hurrell A, Kingsbury B (eds) International politics of the environment : Actors, interests and institutions. Oxford University Press, New York, pp 373–397
- SRMGI (2013) Solar radiation management: The governance of research. Environmental Defense Fund, The Royal Society, TWAS. <http://www.srmgi.org/>
- Stilgoe J (2011) A question of intent. *Nat Clim Chang* 1:325–326
- Stilgoe J, Wilsdon J (2007) The rules of engagement: Dialogue and democracy in creating nanotechnology futures. In: Allhoff F, Lin P, Moor J, Weckert J (eds) Nanoethics: The ethical and societal implications of nanotechnology. Wiley, Hoboken, pp 241–249
- Stirling A (2005) Opening up or closing down? Analysis, participation, and power in the social appraisal of technology. In: Leach M, Scoones I, Wynne B (eds) Science and citizens: Globalization and the challenge of engagement. Zed Books, London, pp 218–231
- Wilsdon J, Willis R (2004) See-through science: Why public engagement needs to move upstream. Demos, London
- Wynne B (2006) Public engagement as a means of restoring public trust in science: hitting the notes but missing the music. *Community Genet* 9:211–220

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**From:** CLK Council Info  
**Sent:** Tuesday, November 12, 2019 6:43 PM  
**Subject:** Executive Matters & Legal Affairs Speaker Registration/Testimony

## Speaker Registration/Testimony

Name	Kelsey Y. Nichols
Phone	8089276681
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Meeting Date	11-12-2019
Council/PH Committee	ExecutiveMatters
Agenda Item	RESO 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
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**Sent:** Tuesday, November 12, 2019 6:44 PM  
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## Speaker Registration/Testimony

Name	Kelsey Y. Nichols
Phone	8089276681
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Meeting Date	11-12-2019
Council/PH Committee	Council
Agenda Item	RESO 19-283
Your position on the matter	Support
Representing	Self
Organization	
Do you wish to speak at the hearing?	No
Written Testimony	
Testimony Attachment	
Accept Terms and Agreement	1

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